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HOLCO
MARKET GARDENERS
EXTRA EARLY
PEAS

1920

RECEIVED

JAN 31 1920

U.S. Department of Agriculture

Holco
QUALITY

SEED
BOOK

LETTUCE
BIG
BOSTON



GARLAND
TOMATO

"HOLCO"
OHIO YELLOW
GLOBE ONION

"HOLCO"
TOP NOTCH
SWEET CORN

THE
HOLMES-LEATHERMAN SEED COMPANY
CANTON, OHIO



"Every Home Its Vegetable Garden"

No vegetables ever come to a table at home like those gathered fresh from the home garden.



Introductory Cover Collection

35 cts. Postpaid

Vegetable Seeds

35 cts. Postpaid

To our new Friends and Customers who desire to test out the merits of "Holco" Seeds, we offer this splendid collection of superior merit varieties and recommend it be given a trial in your garden.

To our old Friends and Customers who have enjoyed the delicious quality of these varieties we trust you will note this special offer and opportunity of obtaining these vegetables at a reduced price. It can be included in your regular order by simply mentioning "Cover Collection, Price 35c."

Every Garden, large or small, should be planted with these five distinct varieties.

They are of exceptional value, no one can afford to leave them out of their garden.

The Five Large Packets Purchased Separately would cost 50 cts.

Mailed To Your Address, Postpaid, For 35 Cts.

With Culture Leaflet.

1 Packet Onions, "Holco" Ohio Yellow Globe.

1 Packet Tomato, Garland.

1 Packet Lettuce, Big Boston.

1 Packet Peas, "Holco" Market Gardener.

1 Packet Sweet Corn, "Holco" Top Notch.

We also desire to call your attention to the unsolicited letters on this page from those who have used "Holco" Seeds this past year.

Mrs. Cora Yeater, Ashland Co., O.

"Two years ago I sent to you for all my garden seeds, and I never had as nice and good a garden as I had then, so please send me a seed book, as I want to send for seeds."

W. N. Enos, Ontario Co., N. Y.

"My order was most satisfactorily filled and received. We are more than pleased with the prompt manner in which you fill orders. Have recommended you to a number of our friends and neighbors, many of whom are now your patrons. Yours as a satisfied customer."

C. A. Sommer, Jay Co., Ind.

"The garden seeds we got from you last winter are fine. We have the best garden this year that we have ever had. Will have another order when we get your next year's Catalog."

Thomas Hannula, Iron Co., Wis.

"I have been using your seeds for three years and they have showed wonderful results, especially the Sparks Earliana and the Chalks Early Jewel Tomatoes. They have produced wonders for this cold part of the country."

E. E. Little, Columbiana Co., O.

"The seeds I received from you grew much better than seeds purchased elsewhere. The muskmelon seed sent last year grew and bore fine, and I never tasted better melons. The California Poppy grew and bloomed wonderfully. I will order from you as long as I receive the "Holco" Seed Book."

Mrs. Ralph Hart, Fayette Co., Pa.

"I had good luck with your seeds last year, especially Chalk's Early Jewel Tomatoes and Davis Perfect Cucumbers. They certainly yielded well."

FROM _____

P. O. _____

STATE _____

The Holmes-Letherman Seed Co.

SEED GROWERS

CANTON, OHIO

Holco
QUALITY Seeds
Yield Better

"Mutual Benefit"

The price of The Farm Journal is \$1.00 for 4 years; but since we believe that to read this wide-awake farm and household paper is the greatest benefit to our friends and patrons, and so indirectly to us, we have persuaded the publishers to make us this

**SPECIAL
TRIAL
RATE OF**

25 cts.

for a year's trial of the paper.

The Farm Journal is published monthly, 52 to 124 pages, full of new, reliable, practical, up-to-date articles and fine pictures. Full of Gumption, full of Sunshine, 43 years old, has 4,000,000 readers, from Maine to California.

Suits Them All—Will Suit You

Care of stock, horses, cows, sheep, swine; big poultry department; all about tractors, engines, autos; orchard, garden, vegetables; pages for young people; dressmaking, fashions, patterns, embroidery; new after-war recipes; farm law; beautiful poetry, Walt Mason's "poems in prose"; absorbing short stories of love, adventure, and mystery. Mail this Mutual Benefit Coupon today with a silver quarter (or stamps) direct to The Farm Journal. DO NOT SEND IT TO US.

HOLMES-LEATHERMAN SEED CO., Canton, O.
Seedsman—Seeds, Bulbs, Plants; Garden
and Lawn Supplies

*SPECIAL: Add 10 cents (35c. in all) and get
latest "Poor Richard Almanac," full
of wit and wisdom for all.*



Try this big live Magazine at this Special 25-cent Rate

You will be delighted with it, and wonder how such a splendid illustrated magazine can cost so little. Sign this Coupon below, and mail AT ONCE with only 25 cents, coin or stamps. Money refunded to you any time you say so.

To THE FARM JOURNAL, Philadelphia:

Enclosed find 25 cents for which send me THE FARM JOURNAL one full year on trial. I am not now a subscriber to your magazine.

My name is.....

R. F. D. Box..... or Street.....

P. O. State.....

IMPORTANT: This trial Coupon must be sent direct to The Farm Journal, Philadelphia, Pa. Not accepted for renewals. (If you live in Philadelphia, Canada, or a foreign country, send 50 cents instead of 25, to cover extra postage.)

NOT GOOD FOR RENEWALS; SEE OTHER SIDE

Order for **Holco** Seeds, Bulbs and Plants
QUALITY

PLEASE DO NOT WRITE HERE

Order No.
Date Rec'd
Date Shipped
Shipped via
Postage
Filled by
Checked by
Bags.....Boxes.....Pkgs.....

The Holmes-Letherman Seed Co.

SEEDSMEN

Office and Retail Store 222-224 N. Cleveland Ave.

CANTON, OHIO

Name,

Ladies will please put the prefix Miss or Mrs.

Street Address
Box Number
R. D.

Post Office,

County, _____ State, _____

Express Office, (If different from P. O.)

Please forward Goods by.....

State whether by **Mail, Express** (and company), **Freight** (and Route)

Date, _____, 19____

AMOUNT ENCLOSED

Money Order \$.....

Draft or Check \$.....

Cash.....\$.....

Stamps.....\$.....

Total.....\$.....

We Deliver Free

All Seeds ordered by the packet, ounce, $\frac{1}{4}$ pound, $\frac{1}{2}$ pound, pound and five pounds. On larger quantities the customer pays for transportation. See page 1.

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The Holmes-Letherman Seed Co. give no warranty, express or implied, as to description, quality, productiveness, or other matter of any seeds, bulbs, plants or trees they send out, and will be in no way responsible for the crop. If the purchaser does not accept seeds on these terms, they are at once to be returned.



Special Notice: We shall esteem it a great favor if you will give us below, the NAMES and ADDRESSES of any of your friends that are interested in gardening. We wish to send them our CATALOGUE.

Mrs. B. J. Ferguson, Columbiana Co., O.—"I was very well pleased with all the seeds I had from you. The Garland Tomatoes are fine; they are great yielders for an early tomato, very firm and solid, and a good market tomato. Those Long Green Cucumbers were fine. I never had such a lot of nice pickles and cucumbers as this summer."

To "Holco" Friends, Our Customers:

Again we have the pleasure of presenting to our customers and friends, the Holco Seed Book for 1920. We trust this year's book will be found as comprehensive and useful as former issues.

This year we are desirous of having your order for seeds for we believe we can prove to you that there are no better seeds on the market than our Holco Tested Seeds. They yield better and are unequalled for reliability, quality and purity.

Our aim is to extend our business and retain our customers by giving them prompt service, fair prices and fresh seeds.

Having an especially trained staff and a modern seed establishment, we can give your order prompt and accurate attention.

It is advisable to place your order with us early and prevent any unavoidable delays.

Trusting for a continuance of the confidence shown us in the past, and hoping to have the pleasure of filling your orders again this year, we are,

Faithfully yours,

THE HOLMES-LEATHERMAN SEED CO.

H. L. Holmes, Jr., Gen'l Mgr.

How to Order

We make it easy for you to order anything from us. Use either our printed order blanks or any plain sheet of paper, so long as the order is *not on the same sheet as your letter*. Simply put down the quantity of each article desired as given with the price. Write your name carefully. Give your town, State, and mail address. And tell us the town to ship the goods to in case it is different from your mail address. If you must send currency, always have the letter registered.

It is much safer to send the money for the goods in the form of an express or post office money order, a bank draft or your own personal bank check. We accept postage stamps for cash.

Clement V. Minglin, Oct. 2nd, 1919, Trumbull Co., Ohio. All the seed I had from you this summer did exceptionally well. I have fine large tomatoes getting ripe now, the finest I have had for several years. The Yellow Ponderosas were fine and the Garlands, while not planted in overly rich ground, were the largest I have seen in this neighborhood. The Peas had long pods filled with nice large peas. Was also very much pleased with the Japanese Pumpkin. Do not forget to send me a catalog for 1920, as I wish to send in a large order.

L. Preto, Portage Co., Ohio. Enclosed find photos of my garden, taken June 23, of this year. I cannot praise your Holmes Green Top Beets enough. They were just fine, and yielded good. All seeds I received from you could be no better. I had a fine garden by using your seeds, and it opened the eyes of several people. They all wanted to know where I got my seeds, and I gave them your address.

Seeds Delivered Free

OUR PRICES are for seeds, ordered by the packet, ounce, quarter pound, half pound, pound and five pounds. Postage paid to your door. On larger quantities of Seeds, Bulbs, Plants, Shrubs, Potatoes, Onion Sets, farm Seeds, Tools, you pay transportation charges.

Tell us whether you want goods shipped by freight, express, or parcel post.

If not otherwise directed, we will use the best method as to the best way to ship.

WE GUARANTEE, safe delivery; complete satisfaction.

If the seeds purchased from us are in any way unsatisfactory, your money including transportation charges, will be returned to you.

NOTE.—There are so many contingencies to be encountered in growing plants from seed and in setting out plants that are dependent on the weather, and other conditions over which we have no control, that success in planting is not altogether dependent on the seed or plant. We will send out only seed which we believe will grow and produce the kind of plant and variety represented, but:

The Holmes-Letherman Seed Co. give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, plants or roots they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

SIX OF "HOLCO" GIANT AMERICAN ASTERS FOR 35 CTS.

We feel that there are many who are not familiar with the brilliant types of American Asters and to aid our customers we are offering this superb collection which will give excellent results. No garden, large or small, should be without these varieties.

American Beauty—Carmine Rose.

Royal Pink—Large delicate shell-pink.

Royal Purple—Rich dark purple.

Lavender Gem—Delicate shade of lavender.

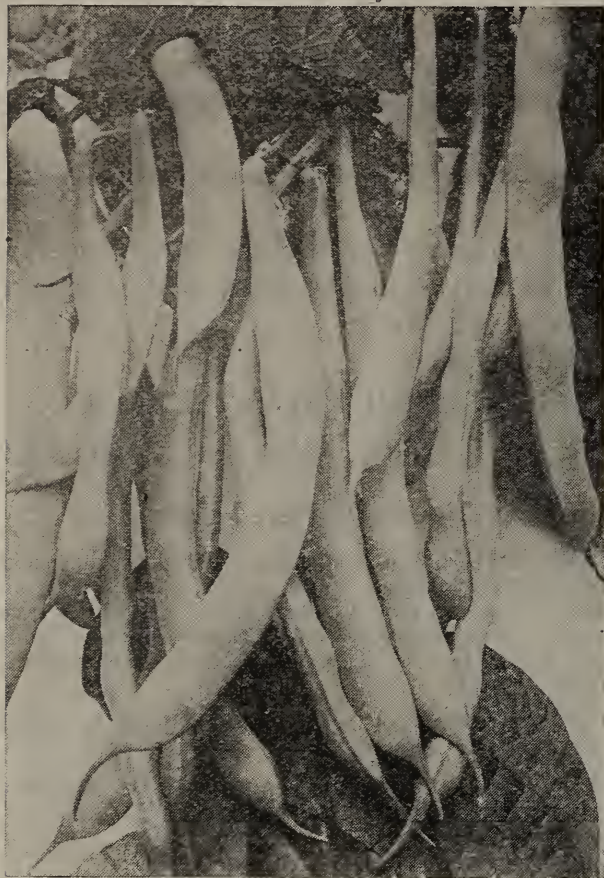
Enchantress—Delightful shade of rich pink.

Purity—Large double white flowers.

We will mail one packet of each of the six superb American Asters for 35cts. This collection surpasses any offer we have made of Giant Asters. With each collection we will enclose our leaflet on Aster Culture.



Tested Seeds—Novelties and Specialties

SURE-CROP STRINGLESS WAX BEANS
The Best of Them All

Webber Wax Bean

Earliest Stringless Wax Podded Bush Bean

The handsome, early, golden yellow pods are excellent for canning and equally desirable for the table, and is now one of the most popular bush beans. The vines are literally covered with handsome, delicious, transparent yellow pods, which are remarkably brittle, as it has NO STRINGS whatever. It is a wonderfully strong grower. Pods are semi-round, of medium large size, full of meat, brittle and stringless. Pkt. 15 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb. Ten pound prices do not include transportation.

Mrs. Orlo Cole, Richland Co., O.—“I bought my seeds through your Company last year, and I had very good success in my gardening.”

Sure-Crop Stringless Wax
An Absolutely Stringless
Bush Bean

Enormous Pod Good Yielder

An Early Flat Wax-Podded Variety. Golden
Yellow Wax Pods Without Rust

A comparatively new variety, but has come very rapidly into general favor. It is in our opinion a decided acquisition. The plant is strong, dwarf, not too strongly branching, with large, almost smooth, lustrous green leaves. Bears an enormous crop of pods of a most beautifully yellow color. This color is maintained clear to the tips. The pods are about six inches long and almost straight, but with the valuable characteristic of curving slightly at the ends towards maturity, thus avoiding contact with the ground, and preventing liability to rust and rot, also preserving intact the natural beauty of the pod. We have found it very early, which alone renders it extremely valuable. The color develops very early in the growth of the pods, which remain tender for a long period. The flavor is excellent, and both plant and pod are free from rust and blight. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid; 10 lbs. or more at 30 cts. lb.

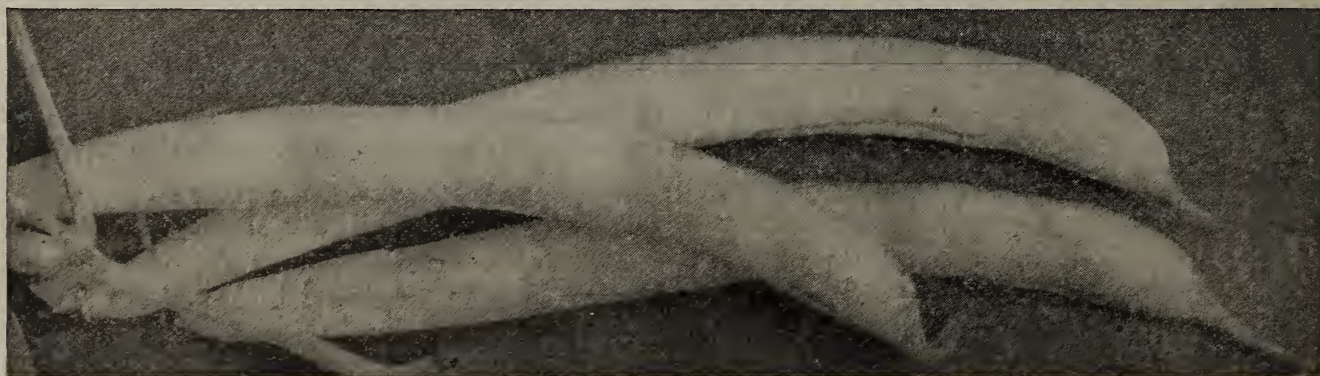
J. G. Exline, Stark County, O.—“The Sure-Crop Beans purchased from you are a wonder. Planted Sure-Crop June 27, picked August 19, fifty days. Can you beat that?”

Bountiful Bean

A Prolific and Continuous Bearer. The First in Spring, the Last in Fall. Absolutely Stringless, Very Tender and of Delicious Flavor.

This superior variety is a distinct improvement in green Bush Beans and has become exceedingly popular wherever known. Our customers who have grown it are enthusiastic in its praise. The plant is remarkably handsome and of thrifty growth, being practically rust and mildew proof. Very hardy, extremely early, very prolific, bears continuously for several weeks; the first to give pods fit to pick in the spring, and the last to yield edible pods in the fall. But the crowning merit of this grand Bush Bean is in the rich green pods, which are of immense size, thick, broad, extra long, very uniform in shape, solid, meaty, of high quality, meltingly tender, having a delicious flavor exclusively their own. Moreover, the pods are absolutely stringless, entirely free from any tough, membranous lining, not only when young, but this tender “snap brittle” quality is retained even into maturity. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Mrs. Louis S. Fitz, Ohio.—“I was much pleased with the promptness with which you filled my order. Your Bountiful Beans have grown fine.”



BOUNTIFUL BEANS—Most Desirable Sort for the Market Gardener

Burpee's Stringless Green-Pod

A Round Green-Podded Bush Bean

of Fine Quality, Long, Round, Green, Pods, Always Solid
Tender and of Delicious Flavor

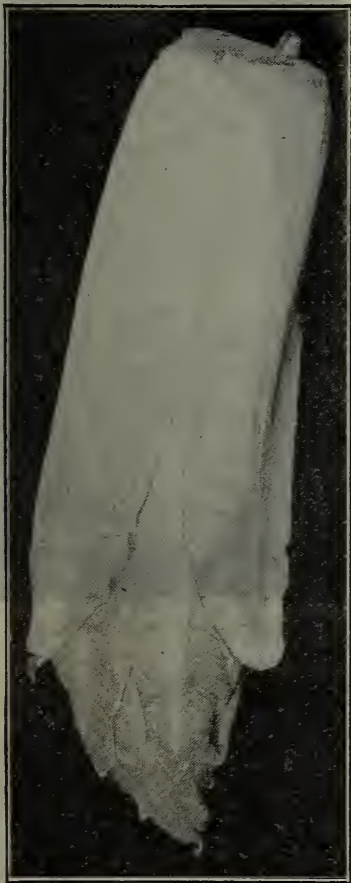
Extra fine quality. Vigorous, upright in habit, extremely early, handsome appearance, finest quality of pods. Stringless Green-pod is the quickest to produce, pods of a rich green, very round and straight, 5 to 6 in. long, solidly meaty. The pods are brittle and of finest flavor, tender, always stringless even when fully matured; extra hardy. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more at 23 cts. lb.

Mrs. Martha Beck, Tuscarawas Co., O.—“Was told how fine your seeds were, and how well they grew, so I want your catalog.”

Improved (Rust-Proof) Golden Wax

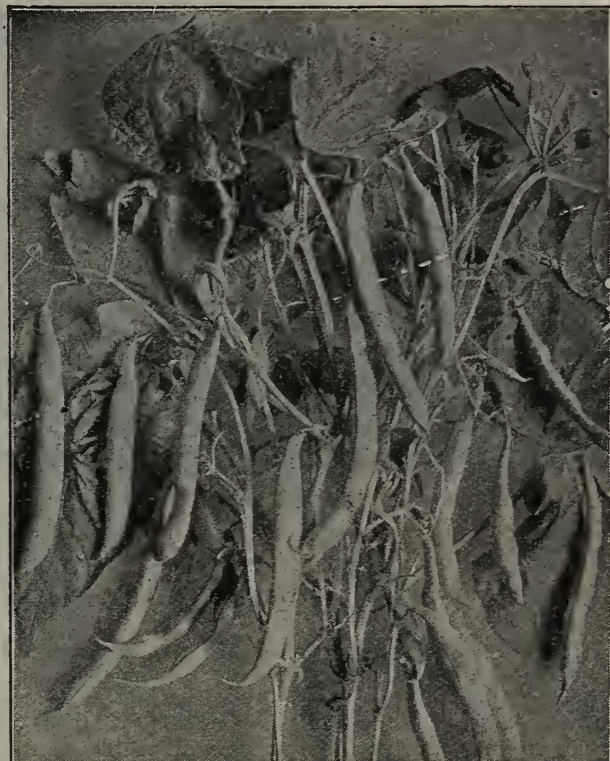
This is a great improvement on the old strain Golden Wax, as the latter is subject to blights, making it difficult to grow. The Improved Strain is hardy; and so much less liable to blight or rust that it is one of the most desirable to grow of all Wax sorts. Pods $4\frac{1}{2}$ to 5 in. long, straight, flat

meaty, light cream wax color, heavily filled, excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 28 cts. lb.



WITLOOF-CHICORY

Arlington White Spine, with very dark green skin and thick flesh, which is tender and crisp, making it especially good for slicing. A remarkable feature of this variety is the strong growth of the vines, which enables it to withstand blight, and bring the fruit to their full size and perfection, a very important quality, which will appeal to the Market Gardeners, and equally so to the home gardeners. “Early Fortune” Cucumber is one of the best that has been introduced in many years. If you want something worth while in Cucumbers, plant “Early Fortune.” Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.



IMPROVED (RUST-PROOF) GOLDEN WAX BEAN

Witloof-Chicory, or French Endive

Witloof is used principally as a winter salad, and is most delicious served with French dressing and eaten like Cos Lettuce.

About the first of June or a little later is the time to sow Witloof Chicory seed to grow the roots that will be used for forcing next Winter. A rather light, deep soil should be selected for the development of long, well-shaped roots. Any soil that is rich enough for Parsnips is good for Witloof Chicory. Well rotted manure may be used to improve the soil so that large roots about 1 in. to $1\frac{1}{2}$ in. in diameter may be grown.

The rows may be about 18 in. apart for hand wheel hoe cultivation, or 28 in. to 30 in. apart for horse cultivation. The seed should be sown thickly enough to get a good stand of plants and covered about $\frac{3}{4}$ of an inch deep. If a crust forms over the row after it rains it should be broken with a rake. With plenty of moisture the seed will germinate in about a week, but often it takes a few days more.

When the plants have a good start they should be thinned to stand about 4 in. apart. Some growers suggest wider spacing, but on good ground the roots will usually grow too large. The crop should be given good cultivation throughout the summer. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Leo Preto, Portage Co., O.—“The seeds I received from you in the Spring of 1919 were just fine, they all grew. Your Garland Tomatoes were very good.”

Early Fortune Cucumber (Rich, Dark Green, “White Spine”)

We believe we have the most uniform-shaped, drak green White Spine Cucumber grown, and one which is most desirable on account of its attractive appearance and good quality. The Early Fortune is slightly longer than the



EARLY FORTUNE CUCUMBER



FIELD OF COPENHAGEN MARKET CABBAGE

Copenhagen Market Cabbage

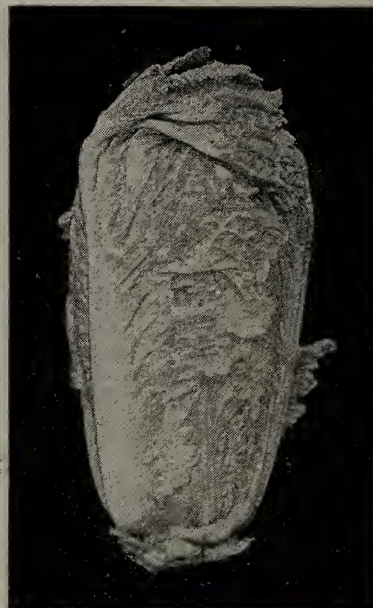
Proved to Be the Best Early Cabbage from Denmark

A very great satisfaction, indeed, to be able to offer this valuable new, early Cabbage, producing round, hard heads very early in the season. As early as the Jersey Wakefield. The most popular early Cabbage in the markets of Copenhagen. Market-gardeners are simply crazy about it on account of its extreme earliness and solid, 8-pound heads, with a small core and always of excellent quality. The plants are short-stemmed, producing heads almost on the ground. The light green leaves are medium in size, saucer-shaped, and are always tightly folded; the plants may therefore be set closer than most other early varieties. A vigorous grower and yielder, as are all Cabbages from Denmark, and an excellent keeper. Our stock of Copenhagen Market comes to us direct from the originator, is guaranteed to be absolutely true to name. **Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.50, 1 lb. \$5.00.**

Pe-Tsai, Chinese or "Celery" Cabbage

Chinese Cabbage was introduced into this country by the Chinese of the Pacific Coast. The Pe-Tsai belongs to the Cabbage family, and produces quickly from seed sown in the open ground very attractive heads, somewhat resembling Cos Lettuce, and it grows well in any good soil. Chinese Cabbage makes the best heads during the cool fall months, so it is advisable to start the seed about the latter part of July. Seed can be sown in the open ground. Thin out to stand about fifteen inches apart in the row, as the heads develop rapidly and grow to a large size. Keep the soil free of weeds, and cultivate freely in order to preserve the largest possible amount of moisture for the plant. The heads blanch readily and the leaves are so tender and sweet that it makes excellent salad. It can be eaten raw like Celery or Lettuce or cooked like ordinary Cabbage, but must be cooked quickly. It makes an ideal vegetable for fall, and it can be stored for winter. Chinese Cabbage may be planted in your garden after some of your early crops have been cleared off. **Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, 1 lb. \$3.50 postpaid.**

Mariana H. Adams, Terre Haute, Ind.—"I had seed from you this year and was pleased with the way it germinated. Have quite a war garden, and my Chinese Cabbage is delicious and a wonder."



PE-TSAI—From a Photograph



SWISS CHARD

Swiss Chard, or Spinach Beet

Requires the same rich soil that other members of the beet family thrive in, and should be planted at the same time, when the ground is warm, in rows two feet apart. Drop three to four seeds to every inch and cover one-quarter inch deep. As the plants grow, they may be thinned out and used for greens at any stage. When they approach full size, they should stand seven to ten inches apart in the row. The large leaves should be cut, one by one, with a sharp knife, an inch or two above the root. New leaves will grow to take their places, keeping up a supply till frost. Cook the leaves in the same manner as spinach, and the stalks are palatable if prepared and cooked like Asparagus. Swiss Chard may be canned, and is a most valuable vegetable for Winter use.

Giant Lucullus. Is more productive than the common plant. It grows to a height of two to two and one-half feet, and has thick, heavy, cream-white stalks, one and one-half inches broad. The leaf is of fine flavor, deeply crumpled, and free from fibre. **Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.**



"Holco" Fireball Beet

A Specially Selected Strain—It Has No Superior

An Early Maturing Beet. The Finest Shaped Beet in the World. The Deepest Blood Red of All Beets. Has No Equal for Table Use. The Most Handsome Beet Grown

We want you to be sure to order this DEEPEST BLOOD-RED BEET. It has no superior. With critical market-gardeners, it is very popular. "Holco" FIREBALL has attractive appearance, perfect globe shape, very fine grained, rich and exceedingly tender flesh. The leaves are small, upright and borne on slender stems, occupying but a small portion of the bulb.

The roots are uniformly medium sized, with a very small tap root. The surface is remarkably smooth. The color of the skin and flesh is blood-red, the DEEPEST BLACK-BLOOD RED of any beet. They are crisp, tender and sweet. A most valuable sort to grow for early second crop, successive plantings, and for late planting for Winter use. You will make no mistake when you sow "HOLCO" FIREBALL. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, 5 lbs. \$6.75, 10 lbs. \$12.50.

Easy-Blanching

The Easiest and Quickest to Blanch

A new variety of great merit, with remarkably easy-blanching qualities. Plant is of medium height and compact, having light-green foliage, stalks are thick, very tender and brittle, with a rich flavor. Those who have never been successful in growing good celery may plant it with the assurance that the crop will equal in quality and appearance any celery grown by commercial growers, and it will be found useful both for early use and for keeping during the winter months. The plants make a quick healthy growth. In some sections where the land has become worn out, or "celery sick," celery has failed to produce good crops. On such land as this, Easy-Blanching Celery has been grown with remarkable success, producing just as good crops as ever, while right alongside the Self-Blanching sorts have failed almost completely. Will recommend Easy-Blanching Celery to the amateur gardener as well as the commercial Celery Grower. Tested and proven seed. Pkt. 15 cts., oz. \$1.20, $\frac{1}{4}$ lb. \$3.60, lb. \$12.00.

Peter Nei, Huron Co., Ohio.—"Easy-Blanching celery seed purchased of you produced the finest celery we ever had. Kindly send me $\frac{1}{2}$ lb., and pound of your 'Holco' Ohio Yellow Globe Onions."



EASY BLANCHING CELERY

Grown from Our High Quality Seed. One of the Best for Market



BIG BOSTON LETTUCE
Grown From Our Selected Stock

Big Boston Lettuce

Head large, very solid, light green, of excellent quality. May be sown the whole season and keeps its head very well. Big Boston is the most satisfactory variety to force in greenhouses and gently forced in a moderate temperature it makes perfect heads. For spring and early summer crops in the open ground it always brings a good crop and in the fall is used more than any other lettuce because it is not harmed by the early light frosts. Big Boston Lettuce extensively grown on muck land because of its fine heading qualities. It is of a delicate flavor, and a good shipper. No other variety that we know of gives satisfaction under so many varying conditions. We heartily recommend our stock of BIG BOSTON to the most discriminating trade. We believe the seed we offer is the best obtainable. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Mr. Chas. White, Colorado.—“Your Big Boston Lettuce has come truer to type as well as being harder heading than any I have had for some time. Enclosed find order.”

J. T. Hammer, N. H.—“I am enclosing order for Lettuce. Have found your seed first-class in every way; they have given me the best of satisfaction.”

John Dunlap, Columbus, O.—“We prefer your Big Boston Lettuce to any other. Every plant heads up, and they are all solid.”

A. McInnis, New Jersey.—“Your Big Boston Lettuce is much praised here. It grows to a large size, keeps well, is crisp and of good flavor.”

Frank Meyers, Fla.—“My lettuce is great. I think your Big Boston Lettuce is the finest I ever saw. The heads are so large, solid, and runs even through the field.”

Grand Rapids Lettuce (Special Strain)

Probably the best of the loose-leaved varieties. Never forms a head, but produces an abundant crop of pale green leaves, slightly but closely crumpled, which, even when old, retain their characteristic tenderness and brittle character. Moreover, the flavor, even of the outside leaves, is fully equal to that of the heart leaves of many heading varieties. We strongly urge those who cannot succeed in getting Lettuce to head to grow Grand Rapids. The plant may be cut whole, or the outside leaves may be removed, leaving the younger ones to grow, thus forming a continuous crop in the garden. Owing to the fact that the lower leaves grow upright and clear of the ground, it rarely suffers from rot, and is therefore more largely grown for forcing than any other sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50. Postpaid.

Homer Dulabahn, Stark Co., O.—“Your Grand Rapids Lettuce is a fine strain. I find no straight leaf stalks. Our beds are a sight to look at.”

S. Schisler & Son, Stark Co., O.—“We find your Grand Rapids Lettuce true to type and grows even and strong throughout the beds.”

W. H. Weinschenk, New Castle.—“We had your strain of Grand Rapids Lettuce last year and find it very good.”



GRAND RAPIDS LETTUCE
The Ideal Loose-Leaf Variety



"HOLCO" OHIO YELLOW GLOBE ONION
From a Photograph

D. A. Yenny, Stark Co., Ohio.—"I never had better onions than what I purchased of you this last season."

Garland Tomato

The Largest, Heaviest Cropper, Smoothest and Finest Flavored, Extra Early Red Tomato

This wonderful tomato originated in the state of Wisconsin, where it has been grown exclusively for several years; Mr. J. J. Garland induced us to plant it alongside of John Baer and Bonny Best, and after most rigid test, we have found that the Garland Tomato has outclassed either John Baer or Bonny Best.

We cannot give you a better description of this tomato than what our grower claims for it: "It is as early as John Baer or Bonny Best, it produces one-third more and does not crack, which is a very important matter, keeps its size well through the growing season, being a CONTINUOUS BEARER, and EXCELLENT SHIPPER. This season my last picking was of good size, after having picked from the vines for more than two months. In a test alongside of John Baer and Bonny Best, handled exactly the same, it yielded fully one-third more and the fruit was larger and freer from cracks. It is a good bearer, as good as any tomato that I know of, and I have tried most all kinds that are cultivated at the present time."

In our own test alongside of John Baer and Bonny Best, we have found that it did just as the originator said it did. We are confident that this tomato is worthy of a trial in every garden and truck patch. Pkt. 20 cts., ¼ oz. (about 2,000 seeds) 35 cts., oz. 90 cts., ¼ lb. \$3.25 (crop short).

L. R. Mott, Chenango Co., N. Y.—"The Garland Tomato which I purchased from you was all that was claimed for it in your catalog. The fruit was of nice color and very smooth; in fact, this tomato gave as good satisfaction as any I have tried. I had some other seeds, and they all grew good, and in fact, produced results just as satisfactory as those obtained from seeds which cost more than the ones purchased from you. As far as I am concerned, 'Holco' seeds are good enough for me."

"Holco" Ohio Yellow Globe Onion

**Heavy and Solid—Enormous Yielders—
Keeping Qualities Unsurpassed**

The most perfect strain of Yellow Globe Onion in existence. Early, sure cropper, largest yielder, long keeper. Mildest in flavor, attractive, handsome, bright, even color, ripens early and all at once; necks very small, and cure down to almost nothing. The firm, solid bulbs are excellent winter keepers and enormous yielders. This Onion is good for all classes of soil and on account of its quick maturing qualities we consider it to be the most valuable yellow onion for all markets.

As this is one of the most profitable market garden crops, needing a considerable outlay, too much care cannot be exercised in selecting the Stock Seed, the largest crop can only be obtained from planting most carefully selected seed. A few dollars an acre invested in seed of extra quality is many times made up in the crop raised from them.

Our supply of seed is grown in the State of Ohio under our own supervision, bulbs are inspected by us before planting. We can recommend this strain to the most critical grower. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

R. H. Garrahan, Luzerne Co., Pa.—"We have used your special strain 'Holco' Ohio Yellow Globe for two years and have found it true to type and a strong, vigorous grower."

John F. O'Hara, Wayne Co., Mich.—"The Seeds purchased from you were more than satisfactory, and we want your Seed Catalog for the coming year, as we intend to purchase a quantity of your seeds. We trust that they will prove as good as those we had from you this past Spring."



GARLAND TOMATO



PALMETTO ASPARAGUS

"Every Home Its Vegetable Garden"

No vegetables ever come to a table at home like those gathered fresh from the home garden.
CULTURE LEAFLET—The Vegetable Garden—Free with order when asked for.

Asparagus

Can be started by sowing the seeds or setting out roots. A bed once properly made and planted, will last for years. Seeds are sown as early in the Spring as garden can be made. Plants can be raised easily from seed. When roots are one to two years old, set them 18 inches apart. The rows should be 8 to 10 inches deep, with width of 6 to 8 inches at the bottom. After spreading out roots, cover crowns with 2 inches of soil. With the growth of the shoots gradually fill in with earth until level with surface. Cultivate carefully during the season. An ounce will plant 50 ft. of row; and produce about 200 plants; 4 to 5 pounds to the acre.

Our Leaflet on Culture, giving full directions will be mailed free when asked for.

Giant Argenteuil. Early, prolific variety forming the greater part of the fine bundles admired in the Paris markets. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts., postpaid.

Palmetto. Is a very early maturing, large, vigorously growing, dark green sort of excellent quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts., postpaid.

Barr's Mammoth. Is the best known, very large with few scales, stalks retain their thickness up to the top and have close, round heads. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts. Postpaid.



Asparagus Knives

American V Shape..... \$.50

Asparagus Bunchers

Each..... \$3.00

Asparagus Roots

Supplied after April 1st. About 4,000 plants to an acre. Tied in bunches of 50 each.

	2-Year Old	Doz.	100	1000
Giant Argenteuil.....	\$0.25	\$1.50	\$10.00	
Barr's Mammoth.....	.15	.75	6.00	
Palmetto.....	.15	.75	6.00	

If by mail add postage as follows: Doz. 8 cts., 100 50 cts.

Artichokes

Sow early in Spring and transplant in rows 3 ft. apart. Do not plant too deep. Flower heads should be gathered as fast as formed.

Green Globe. A standard sort. Pkt. 10 cts., oz. 75 cts.

Brussels Sprouts

Grown as both an early fall and winter vegetable. Seed may be sown in a hotbed or cold frame for an early crop, or outdoors early in May. Make rows 3 feet apart and have the plants stand $1\frac{1}{2}$ feet apart in the row.

The heads are improved by frost. When the young sprouts are well started the lower leaves may be stripped from the plant in order to admit light and air. Ounce will plant 200 feet of row.

Long Island Improved. Is the finest strain grown for markets. We offer finest Long Island grown. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00. Postpaid.

Mushroom Spawn (*Agaricus Campestris*)

Growing Mushrooms profitable business. Cultural directions free for the asking.



MUSHROOMS

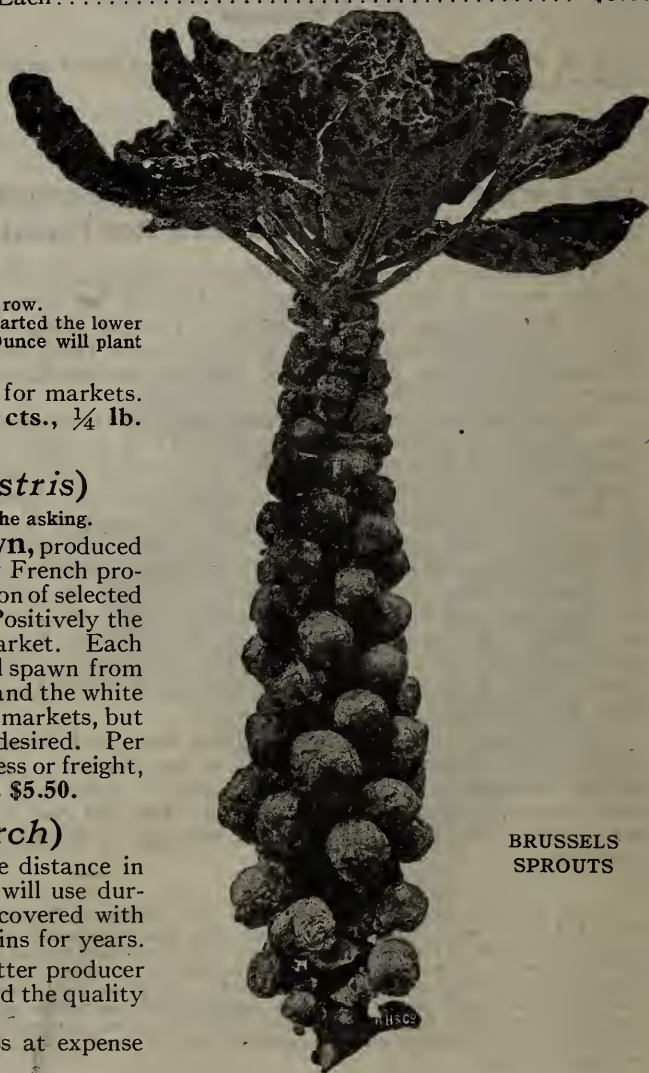
American Spore Culture Spawn, produced from original spore cultures under the new French process which permits the indefinite reproduction of selected varieties without dilution of the strain. Positively the most vigorous and prolific spawn on the market. Each brick weighs from $1\frac{1}{4}$ to $1\frac{1}{2}$ lbs., and will spawn from 8 to 10 square feet of beds. We keep on hand the white variety which is generally preferred in the markets, but can supply the cream or brown varieties, if desired. Per brick, 40 cts., 5 bricks \$1.75 postpaid; express or freight, 5 bricks, \$1.25; 10 bricks \$2.25, 25 bricks \$5.50.

Horse-Radish Roots (Ready in March)

Set the roots in spring in rows 6 in. apart, about the same distance in the row. Late in the fall lift as many roots as you think you will use during the winter, cut off the tops, place them in a cool cellar covered with soil or sand, and grate as wanted. A bed once planted remains for years.

Bohemian Maliner-Kren. A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers have it.

Roots 40 cts. per doz., 50 for \$1.00 postpaid; by express at expense of purchaser, 50 for 65 cts., 100 for \$1.25, 1000 for \$9.00.

BRUSSELS
SPROUTS

Beans, Dwarf or Bush, Green-Podded

This is one of the most important crops of all times which may be grown on any soil of average fertility and it does not require special cultural treatment. It is possible to have a liberal supply of green beans for market from July until late in the fall. The bush varieties may be grown for canning, drying and picking. The shelled beans may be produced in variety for use throughout the year. A great advantage in growing beans is that the soil is left richer than before the crop was harvested.

Beans are so variable in their productive powers and also in edible qualities that farmers should test the most promising sorts from year to year in order to determine what varieties are best for their particular purposes. One pound will plant 100 feet of row; 100 pounds to an acre.

Burpee's Stringless Green-Pod

Very Hardy and Extremely Early Sort
Of Extra Fine Quality, Long, Round, Green Pods,
Always Solid, Tender and of Delicious Flavor

Vigorous, upright in habit, extremely early, handsome appearance, finest quality of pods. Stringless Green-pod is the quickest to produce, pods of a rich green, very round and straight, 5 to 6 in. long, solidly meaty. The pods are brittle and of finest flavor, tender, always stringless even when fully matured; extra hardy. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 22 cts. lb.

Bountiful

A Flat, Green-Podded Bush Bean. Always Solid, Tender and of Delicious Flavor

This superior variety is a distinct improvement in green Bush Beans and has become exceedingly popular wherever known. Our customers who have grown it are enthusiastic in its praise. The plant is remarkably handsome and of thrifty growth, being practically rust and mildew proof. Very hardy, extremely early, very prolific, bears continuously for several weeks; the first to give pods fit to pick in the spring, and the last to yield edible pods in the fall. But the crowning merit of this grand Bush Bean is in the rich green pods, which are of immense size, thick, broad, extra long, very uniform in shape, solid, meaty, of high quality, meltingly tender, having a delicious flavor exclusively their own. Moreover, the pods are absolutely stringless, entirely free from any tough, membraneous lining, not only when young, but this tender "snap brittle" quality is retained even into maturity. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 27 cts. lb.



A Big Crop of BURPEE'S STRINGLESS GREEN-POD Ready to Pick

Mrs. Louis S. Fitz, Ohio:—"I was much pleased with the promptness with which you filled my order. Your Bountiful Beans have grown fine."

Giant Stringless Green-Pod. An exceedingly productive and very handsome sort. The plants are large, vigorous and spreading. The pods are large and nearly round, and of medium green color. They mature a few days later than those of Stringless Green Pod, average about one-fourth inch longer and more nearly straight. The quality is very good for snaps for home use. The variety is suitable also for the market. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 23 cts. lb.

Mrs. A. Harshman, West Farmington:—"Please send me one of your seed books. We got seeds of you last year and liked them."

Walter Mosher, Wellington:—"Rec'd your seed book, will send an order soon for the seeds we got of you were first class, never had better."

Full Measure

A Handsome, Round, Smooth, Green-Podded Stringless Bush Bean

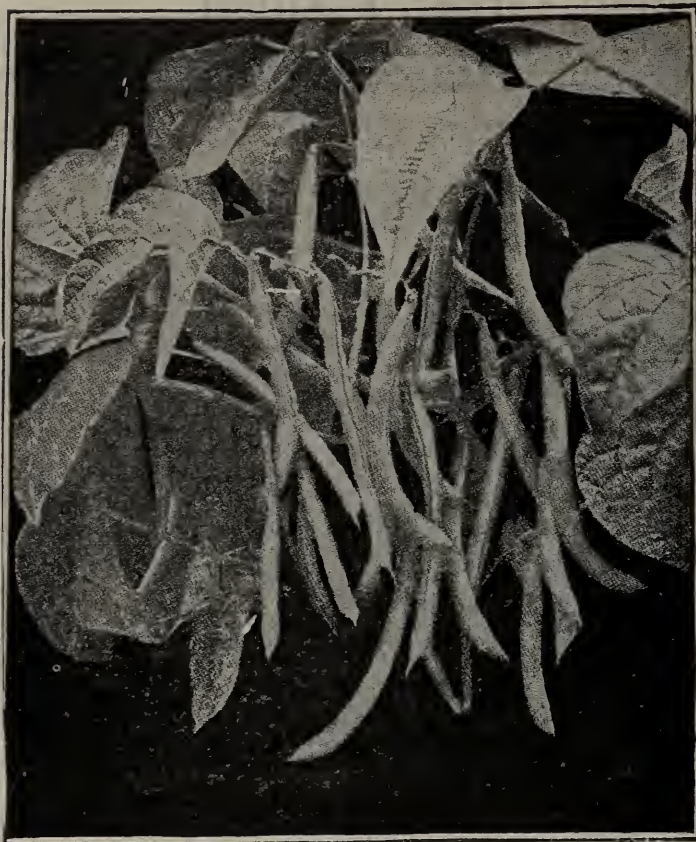
Extra Early, Fine Quality, and of Delicious Flavor

This extra early variety, although comparatively new, has been pretty widely distributed, and we have yet to hear anything but praise about its fine quality and other merits; it is in fact an ideal Snap Bean, producing a fine crop of round, straight, solid, fleshy pods averaging $6\frac{1}{2}$ inches long, wonderfully tender and brittle, without a trace of tough interlining, and having no string when broken, excepting when the pods are quite old. The flavor is most delicious, while the delicate green color of the pods is retained after cooking, adding to its attractiveness when served. The plants are of robust, compact habit, unexcelled in bearing qualities, maturing the crop very regularly. It is extra early, the pods being fit to pick four days before other varieties of approximate size. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 23 cts. lb.

Ten Pound prices do not include transportation



FULL MEASURE STRINGLESS GREEN POD BEANS



IMPROVED RED VALENTINE BEAN

Improved Red Valentine

A Standard Green-Podded Dwarf Snap Bean. Full, Round, Meaty Pods of Unsurpassed Tenderness. Remains Long Fit For Use

This grand variety is a great improvement over the original Red Valentine, as it is very much earlier, and remains fit for use for a long time. The healthy, vigorous plants are unusually hardy, successfully withstanding early frosts; it may therefore be planted very early. It will always yield a large crop of handsome, long, round, fleshy pods, rich green in color and of unsurpassed tenderness when gathered young, when it is practically stringless. It is the Standard Snap Bean, not only for the earliest, but for successive plantings, bearing up to frost. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Geo. Hanley, Fort Wayne, Ind.—“Your Improved Red Valentine were very good last year. I am an old grower, but never saw such fine results from any crop before.”

Black Valentine. Hardy, excellent bean for market gardeners, especially in earliness, in abundance of pods and uniform ripening. Pods $5\frac{1}{2}$ in. long, semi-round, meaty, tender. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Refugee, or 1000 to 1. True bush growth, fifteen inches in height. The pods are nearly round, pale green, five inches long, tapering to a slender point; quite solidly fleshy, brittle, but with slight strings; of handsome appearance and fine flavor. Rather later than the other green-podded sorts, but extremely prolific. An excellent summer sort. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Keeney's Stringless Refugee

A Round Green-Podded Bush Bean

For many years the originator of this grand bush bean has been working to eliminate the string of the old Thousand to One Green Pod Refugee. In this bean he has succeeded. Its habit of growth, pod and seed are practically the same as the old Thousand to One Refugee, but maturing its beans a few days earlier. Very productive; of true bush form; attains a height of 18 inches. The handsome, round, green pods average about 5 inches long and are brittle, tender, fleshy, and perfectly stringless at all stages of their growth. Its quality is superfine; for commercial canning it is unequalled, as the tender, green pods retain their beautiful green color, and being entirely stringless, makes it far superior to any other variety. For home or market garden, Keeney's Stringless Refugee bean will be found very desirable and for the shipper it has no equal. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid; 10 lbs. or more, at 30 cts. lb.

Shell-Beans

These are grown exclusively to use as shell-beans, either Green or dried for winter

Dwarf Horticultural. Most desirable for slicing and cooking when young. Pods are of medium length, slightly curved. The green shell-beans are of good size, tender, and of fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more at 28 cts. lb.

Large White Marrowfat. Vigorous branching habit. Medium late beans of large size, good for shelling and using in green state. Pods 4 to $4\frac{1}{2}$ in. long, flat, nearly straight. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., lb. 25 cts., 5 lbs. \$1.10 postpaid; 10 lbs. or more, at 20 cts. lb.

Dwarf White Navy. This sort is a sure cropper and not only more prolific than the common white bean but it is also of better quality. The pods are light green, straight, short, about $3\frac{3}{4}$ in. long, but usually containing 6 beans. The beans are small, oval, white, handsome and of superior quality for use as dry beans. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., lb. 25 cts., 5 lbs. \$1.10 postpaid; 10 lbs. or more at 20 cts. lb.

White Kidney. Of vigorous upright habit. Used as shell bean after being ripened. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more at 22 cts. lb.

Red Kidney. Of vigorous upright habit. Beans large size. Used both green and dry. Pods 5 to 6 in. long and flat. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more at 22 cts. lb.



KEENEY'S STRINGLESS
REFUGEE BEANS

Ten Pound Prices Do Not Include Transportation

Beans—Dwarf or Bush—Wax or Yellow Pods



IMPROVED (RUST-PROOF) GOLDEN WAX

Pencil Pod Black Wax. This very handsome black wax sort is medium early, fairly hardy and productive. It is one of the very best sorts for home use and for near markets where highest quality is desired. The plants are strong growing with roughened leaves. The pods are long, five and one-half to six inches, straight, round, fleshy and of a bright yellow color. They are tender, absolutely stringless and are produced through a long season. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Davis Kidney Wax. An excellent bean for market and private gardeners. Pods white waxy color 5 to 5 $\frac{1}{2}$ in. long, flat wide and straight. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Prolific Black Wax. This improved strain of Black Wax we offer is exceptionally productive, very hardy, reliable and of the best quality. It is very extensively used for snaps for the home garden and market. The plants are medium sized, erect in growth, with small foliage, very vigorous, early intermediate in season with longer bearing period than most sorts. The pods are of medium length, four and one-fourth to four and one-half inches, borne well up from the ground, curved, cylindrical and fleshy. They are of a clear, light golden yellow color and remain a long time in condition for use as snaps. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more, at 22 cts. lb.

Ten Pound Prices Do Not Include Transportation

Round Pod Kidney Wax. This desirable round podded wax bean has attained the top notch among beans of this class. Produces unusually large round pods 5 to 6 inches in length, which are very solid, meaty and tender, free from strings, breaking brittle; the flavor is unsurpassed. The crop of this desirable bush bean was very short. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid; 10 lbs. or more, at 30 cts. lb.

Improved (Rust-Proof) Golden Wax

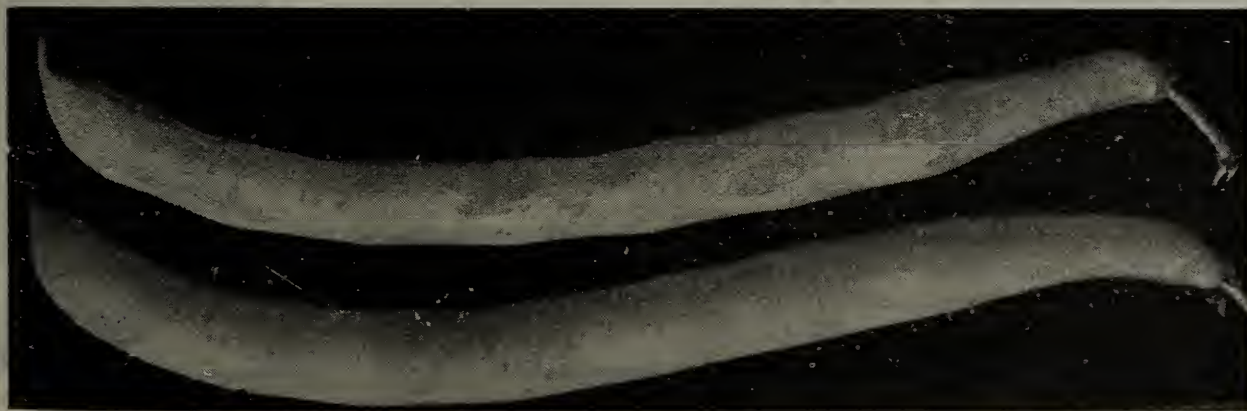
This is a great improvement on the old strain Golden Wax, as the latter is subject to blights, making it difficult to grow. The improved Strain is hardy, and so much less liable to blight or rust that it is one of the most desirable to grow of all Wax sorts. Pods 4 $\frac{1}{2}$ to 5 in. long, straight, flat, meaty, light cream wax color, heavily filled, excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Sure-Crop Stringless Wax. An absolutely stringless—Enormous pod—good yielder. An Extra Early Flat Wax-Podded Sort. Tender, hardy and productive. (See page 2.) Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid; 10 lbs. or more, at 30 cts. lb.

Webber Wax. Hardy and prolific; excellent for home, garden or market. The plants are of strong, upright growth, which holds the pods well off the ground, protecting them from discoloration. The long bright yellow pods resemble Wardwell's Kidney Wax in shape, but are rounder and more meaty, of excellent flavor, very prolific. The attractive pods make it a valuable sort for home garden and market. (See Page 2.) Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Michigan White Wax. This excellent sort is a white seeded Golden Wax Bean of the original Golden Wax quality. It is a vigorous and very productive garden variety. The pods are abundantly produced and are uniform in size and color which is a very attractive light golden yellow. They are four and one-half to five inches long, comparatively broad and meaty. It is the most desirable home garden, market, and canning sort. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50, 10 lbs. or more, at 27 cts. lb.

Hardy Wax. The beautiful yellow pods of this variety have a delightful flavor and are tender at all stages of their growth. The round pods are solid, meaty and stringless, growing about 6 inches long. The plant is a strong, robust grower, which resists disease and unfavorable weather conditions better than most other sorts. Excellent for market gardeners, and it is equally desirable for the home garden. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid; 10 lbs. or more, at 30 cts. lb.



ROUND POD KIDNEY WAX BEAN

Wardwell's Kidney Wax Beans

This standard variety maturing a little later than Golden Wax, yields a large crop of long, nearly straight, broad, light golden yellow, handsome pods. These are of large size, about six inches long, and are of good quality. They always command a ready sale, making the variety one of the most profitable for the market gardener as well as shipper. This is also very extensively used for snaps for the home garden. The plants are strong growing and bear their long pods well up from the ground. The leaves are large, broad and slightly roughened. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 27 cts. lb.**

Hodson Wax. A variety about ten days later than others, good quality and free from rust. Strong, vigorous growth, with healthy foliage. Pod 6 in. long of golden waxy color, nearly straight, thick, flat and meaty. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 27 cts. lb.**

Refugee Wax. The pod is a white wax color, curved, round, thick and nearly stringless when young. Healthy foliage and not so liable to blight as some other sorts. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.**

Silver Bean. A distinct variety, late maturing, sometimes called Crystal Wax, and not strictly a wax bean. It is desirable for pickles. The plants are vigorous, branching and very productive. The leaves are small. The pods are greenish white with silvery shade, curved, round or thicker than wide, with crease in the back; very fleshy and brittle. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more, at 30 cts. lb.**

Dwarf or Bush Lima Beans

Select land that is especially warm, rich, and well supplied with humus. Plant eye downward and one inch deep as soon as the soil becomes warm in the spring. Make the rows two feet apart and plant the beans 6 inches apart in the row. A top dressing of good fertilizer will hasten maturity and increase the yield. One pound will plant 50 feet of row. 40 pounds will plant an acre.

Fordhook Bush Lima

The only stiffly erect bush form of the popular "Potato" Lima. Both pods and beans are twice the size of Dreer's Bush Lima. Nothing like it has ever been seen before. Of strong, erect, true bush-like growth, the bushes average 20 to 30 in. in height by 20 to 24 in. across the top. The foliage is of heavy texture and very dark green in color. The stalks that produce the blossoms are thrown out from the lateral and main stalks; the pods are borne in clusters of from 4 to 8, measuring from 4 to 5½

WARDWELL'S KIDNEY WAX BEAN

in. long, about 1½ in. wide, by as much as ¾ of an in. thick. The pods contain 3 to 5 large beans with an average of 4. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.**

Burpee's Improved Bush Lima. This bean produces a magnificent crop of pods, which measure from 5 to 6 in. long by 1¼ in. wide. Compared with Burpee's Bush Lima, both pods and beans are much larger, while the beans either green or dry, are nearly twice as thick. The sturdy bushes are loaded with pods that are truly enormous in size. The luscious green beans are larger than any bush lima ever known. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.**

Burpee's Bush Lima. A bush form of the true Large White Lima and of equally good quality. The plants are uniformly dwarf but very productive. The pods are medium green, are as broad and very nearly as long as those of the pole variety of Large White Lima and are a little more curved. They contain from three to five very large, flat beans of very good quality for home garden or market. **Pkt. 10 cts., ½ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.**

Improved Henderson's Bush Lima. The pods are ready for use a week earlier than those of Burpee's Bush Lima and the plants are immensely productive. When gathered young, the beans are of excellent flavor. **Pkt. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 27 cts. lb.**

Ten pound prices do not include transportation



FORDHOOK BUSH LIMA

Beans---Pole or Climbing

All Pole and Lima Beans are very tender and cannot be planted until the soil is quite warm and weather is settled. Plant pole beans and pole limas, in hills one inch deep, 4 to 5 seeds to a hill, hills 3 feet apart. Thin to three plants to a hill. Before planting fix firmly in each hill, a pole 6 to 8 feet long. Help the vines to start twining around the poles from right to left. One pound will plant 75 to 100 hills; 20 to 32 pounds to an acre.

Note: Plant Lima Beans with the "eyes" of the seed downward.

Kentucky Wonder or Old Homestead



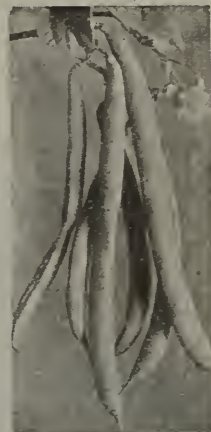
KENTUCKY WONDER
BEAN

The long pods are so fleshy that they are greater in thickness than breadth. Solidly meaty, stringless when young, finest quality. If pods are gathered as they mature the vines will continue to bear to the end of the season. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 28 cts. lb.

Lazy Wife. Late variety, excellent for snap-shorts or shelled. Pods about 6 in. long, thick and meaty, fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid, 10 lbs. or more at 40 cts. lb.

Horticultural Pole or Wren's Egg. An old and well known variety, hardy, very productive, good flavor of the beans when shelled. The flat, long pods are streaked with carmine. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 28 cts. lb.

Old-Fashioned Striped Sickie Pole. One of the best quality; well known to all farmers and gardeners. The seed is gray, with black stripes; the pods long, meaty and stringless. Very heavy yielder. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid, 10 lbs. or more at 40 cts. lb.



STRIPED SICKLE
POLE BEAN

White Seeded Kentucky Wonder

Earlier than other sorts, also called Berger's Stringless Green-Pod. The pods are long, borne in clusters, straight, of rich dark green, stringless, tender, sweet, mild flavor. The dry beans are pure white. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 28 cts. lb.

Kentucky Wonder Wax. Yellow-podded Kentucky Wonder; bears a large quantity of rich golden yellow pods. Plant makes a quick, healthy growth; productive, bearing large pods; thick, meaty, stringless, very tender, fine flavor when cooked. Decidedly extra early. Pods grow uniform in size. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

Golden Cluster Wax. Bears long, golden yellow pods in clusters and continues for a long time. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

Pole or Climbing Lima Beans

Holmes' Green-Prolific Large-Seeded Pole Lima

The Largest Podded and Heaviest Cropper of All Lima Beans

The pods are truly gigantic in size, frequently measuring from 7 to 8 $\frac{1}{2}$ in. in length by from 1 $\frac{1}{2}$ to nearly 2 in. in width. The beans are extra large and thicker than any other Pole Lima, excepting only those of the Potato Lima type; they are invariably of finest flavor. Holmes' Green-Prolific excels all other Limas in vigor of growth. The vines grow so rapidly that they quickly cover the poles. In rich ground we would recommend planting only two or three seeds to a hill and thinning out to one plant. The pods, borne in clusters of from 4 to 8, stand out well from the foliage. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more, at 35 cts. lb.

Early Leviathan. This is the very earliest. It will not only give large Lima Beans earlier than any other strain, but is also extremely productive, both early and throughout the season. It is a strong grower, clinging well to the poles, and is a sure cropper. The pods differ from those of other early pole Limas in being straighter and longer. The pods hang out from the foliage in large clusters and contain three or four and sometimes five large beans to the pod. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

King of the Garden Lima. Pods medium, 5 to 6 in. long, broad, flat, filled with 4 or 5 immense white beans of finest quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

Challenger, Dreer's or "Potato" Lima. The pods produced are quite thick through and contain 3 to 5 thick beans. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 27 cts. lb.



HOLMES'
GREEN
PROLIFIC
POLE
LIMA
BEAN

Beets

During their season, beets are easily the favorite root crop. The gardeners of America are just beginning to realize the great food value and keeping qualities of Beets, and while their cultivation has been general, it has not been as large as their many good qualities would warrant.

Seed may be sown as early in the Spring as the soil can be dug and raked. Sow seeds in rows; then thin the young plants so that the plants will be 4 inches apart in the row, allowing eighteen to twenty-four inches between the rows.

Sowings should be made for succession at least once a month up to the first of July, at which time, we recommend making a large sowing to produce a supply of well grown roots for Winter use. If roots are gathered on the approach of cold weather and packed in slightly moist earth, they can be kept in a cool cellar in perfect condition until Spring. Ounce will sow 50 feet of row; 5 to 6 pounds for an acre.

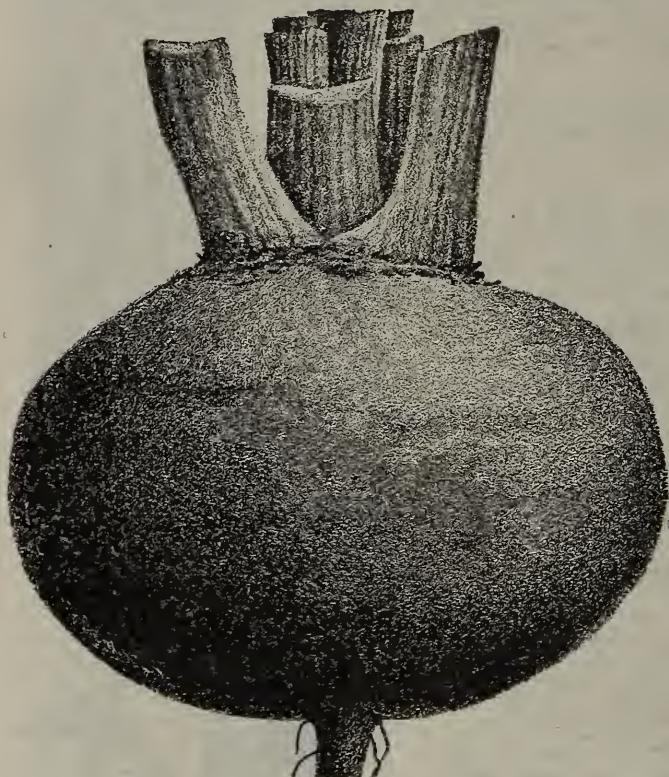
Crosby's Egyptian (Special)

Extremely Early, Deep Red, Tender and Sweet

THE MOST POPULAR EARLY BEET FOR THE HOME GARDEN AND MARKET. Our special strain is ten days earlier, darker in color and more even in maturity, with smaller tap roots and smaller top. Very smooth, sweet, tender, and of excellent quality. You can make no mistake in placing your order for this extra fine stock. In the production of this seed, selection is not only made for shape, but also for extreme earliness and high quality. The skin is very smooth, bright red and flesh-vermilion, very sweet and tender. This Beet is good for forcing, as well as growing in the garden, and may be used while small. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 5 lbs. for \$5.50.

Mrs. F. C. Damman, Trumbull Co., O.—“All the seeds I received from you are doing fine. I never had a better garden.”

Detroit Dark Red. One of the best Beets for the market and home garden. Has a deep, rich color. Tops small, upright in growth; leaves dark green, shaded with red; root medium-sized, nearly round, very smooth, of dark blood-red, zoned with a lighter shade of the same color. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00, 5 lbs. \$4.25.



CROSBY'S EGYPTIAN BEET

Model Red Globe. This splendid variety is of English origin and is perfect for table use. It is medium early, coming in between Extra Egyptian and Crimson Globe. The roots are of good size, slightly oval, with small, dark crimson leaves and a slim tap root. In quality and color it is peerless; very fine grained, tender and sweet, never woody or stringy. Color of both skin and flesh deep rich red. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Crimson Globe. Of fine form, with smooth skin. The tender, unusually sweet flesh is a deep purplish crimson, slightly “zoned;” foliage small, of a rich bronze-purple. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Mrs. S. J. Lucas, Ashland Co., O.—“Had seed from you this year and am well pleased with the way they germinated. My garden looks fine.”

“Holco” Fireball. An early maturing beet. The finest shaped beet in the world. The deepest blood red of all beets. Has no equal for table use. The most handsome beet grown. For description see page 5. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50, 5 lbs. \$6.75.



DETROIT DARK RED BEET

Holmes' "Green-Top" Blood Beet

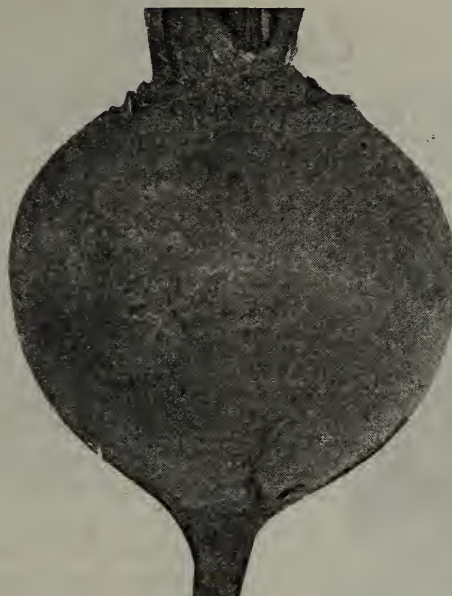
In Quality It Stands Alone

Whoever saw an absolutely light-green-top beet with pure Blood-Red Root? It is one of the most tender of beets, of delicious flavor and is absolutely unsurpassed for quality by any beet that we know of. This grand, new main crop beet—Holmes' Green-Top Blood—has a tapering root. The flesh is a handsome dark red, sweet and tender at all stages of growth regardless of size. The hard, stringy, wooden-like fiber so common with all other varieties, is entirely absent in Holmes' Green-Top Blood Beet, which will keep tender all winter. Market gardeners who plant it will find it outsells all others. By buying this year, you can control your market and make big profits. The keeping quality of Holmes' Green-Top Blood Beet has no equal.

We would advise our customers who want this fine beet to order early as our stock of seed is limited. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Eclipse. Perfectly smooth; round; skin and flesh red; extremely early. Does not grow to large size, but is desirable for its earliness and sweet, tender quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Swiss Chard. See page 4 for description. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.



ECLIPSE BEET

Extra Early Egyptian

Best variety for forcing and excellent for first-early crop outdoors, being very early, with small tops. Roots very dark red, moderately thick, a little rounded on top, distinctly flat on the bottom, and about 2 in. in diameter when mature. Flesh dark purplish red, zoned lighter shade; firm, crisp, tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Edmand's Early. Root nearly round or slightly flattened; exterior color dark red, interior color purplish red with little zoning; crisp, tender, sweet and an excellent keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Improved Early Blood Turnip. Selected stock. Root nearly round or slightly flattened; flesh deep red, zoned with lighter shade, sweet, crisp, tender. For summer and autumn use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Half-Long*Blood. The roots are smooth, flesh bright red, quality excellent. For winter use the seed should be sown early in July. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Long Smooth Blood-Red. Roots long, penetrating the soil deeply. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Sugar Beets and Mangel-Wurzel

For Stock Feeding

1 oz. to 100 feet of drill; 5 lbs. will sow an acre.

Danish Sludstrup

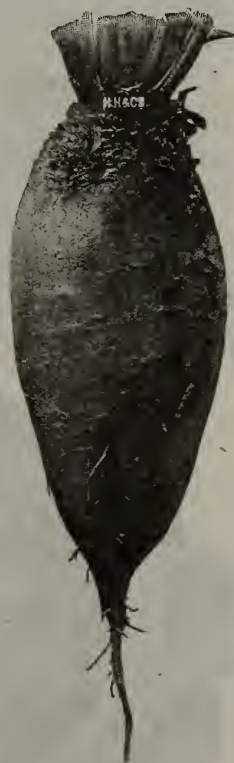
The Danish Government encourages the growing of root crops by offering certificates of merit to growers who select and produce sorts which are of distinctive value. Sludstrup is considered the best of all Mangels, having been awarded first-class certificate. In color it is reddish-yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Golden Tankard. Smooth yellow-fleshed Mangel; roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root. Grows largely above the soil, easily harvested. Yields an enormous bulk on good land; can be grown closely in rows. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

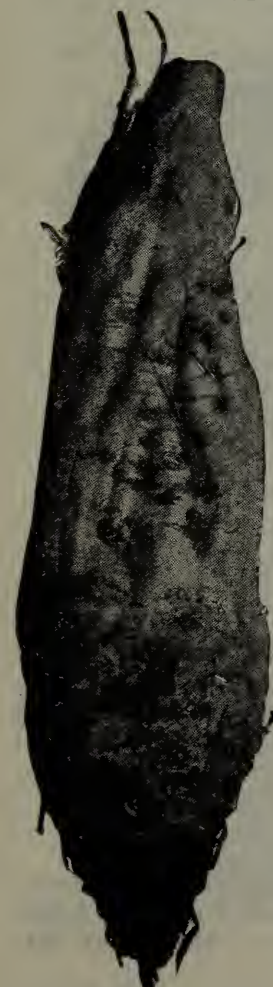
Mammoth Prize Long Red. Heaviest cropping and largest of all Mangels. Dark, richly colored foliage; skin bright dark red, white flesh, with veined rings of rose-pink. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Klein Wanzleben Sugar. Best beet for sugar making, and largely planted for that purpose. Eighteen tons of sugar have been made from 100 tons of these beets. Highly recommended as a winter food for milch cows. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Giant Half Sugar. Superior to mangels for stock-feeding purposes; more nutritious, having a large amount of sugar. Oval in shape, grows partly out of ground. Large size, yields enormous crops. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.



DANISH SLUDSTRUP
MANGEL-WURZEL



MAMMOTH PRIZE LONG-
RED MANGEL

Mrs. Orlo Cole, Richland Co., O.—"I bought my seeds through your Co. last year, and I had very good success in my gardening."

Mrs. W. O. Kincaid, Mahoning Co., O.—"I purchased an order of flower and also vegetable seeds from your firm this year, and they gave excellent results, both in the growing and yielding. The Garland Tomato certainly was fine. Yielded large crop and the tomatoes were of excellent flavor and quality."

Cabbage

Our Cabbage Seeds are all grown from the most carefully selected stocks, and we have no hesitation in saying that they are as reliable to produce good crops as any seeds that can be found on the market. Sow seeds in Jan. or Feb. in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 ft. apart, and 12 to 18 in. apart in the row. For second-early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 ft. apart and 2 ft. in rows. Never plant Cabbage in the same location 2 years in succession. One ounce will produce about 3,000 plants; a quarter lb. will produce enough for an acre.



COPENHAGEN MARKET CABBAGE
(Seed Grown in Denmark)

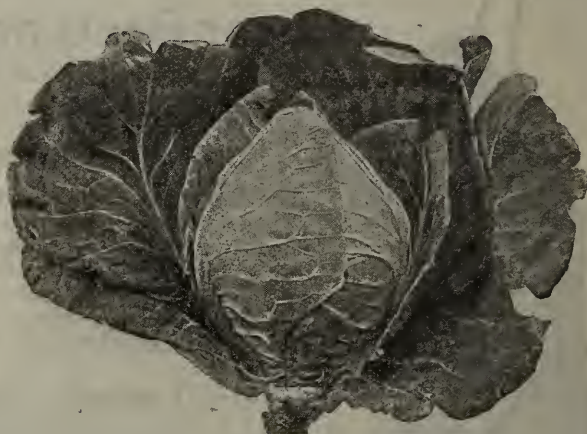
Copenhagen Market

With thousands of growers throughout America, COPENHAGEN MARKET has proved its unique value in being the first roundhead Cabbage of good size to mature uniformly as early as Jersey Wakefield—and yield heavier crops. COPENHAGEN MARKET has already become immensely popular with market gardeners throughout America. The heads are round in form averaging about 8 pounds in weight; are very solid, with small core and of good quality. Plants are short-stemmed, the heads being produced almost on the level of the ground. Leaves are light green, rather small, saucer-shaped, and always tightly folded. It is ready for the market fully as early as the EARLY JERSEY WAKEFIELD, and the heads being larger give a heavier yield per acre than that popular variety. We offer the true stock grown under contract for us in Denmark. Unfortunately there is on the market a later strain grown in Holland and sold under the same name. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, 1b. \$5.00 postpaid.

Extra-Early Jersey Wakefield. Plants are dwarf, compact and produce heads very early. Erect and conical in form, very uniform and even in size as well as time of heading. Our seed of all "Two Wakefields" is the choicest Long Island grown; this special strain is most highly recommended. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, 1b. \$3.50.

Large Wakefield or Charleston. Heads are of similar form, although not so pointed, of equal solidity as the original Jersey Wakefield; grow half again as large, reaching full size ten days later. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, 1b. \$3.50.

Early Winnigstadt. Heads are same size as Jersey Wakefield but more sharply pointed in form and not so early. Leaves rich dark green, slightly glossy, tightly folded; heads being the hardest of any early cabbage. By reason of its great solidity it is a popular variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., 1b. \$3.00.



EXTRA-EARLY JERSEY WAKEFIELD CABBAGE

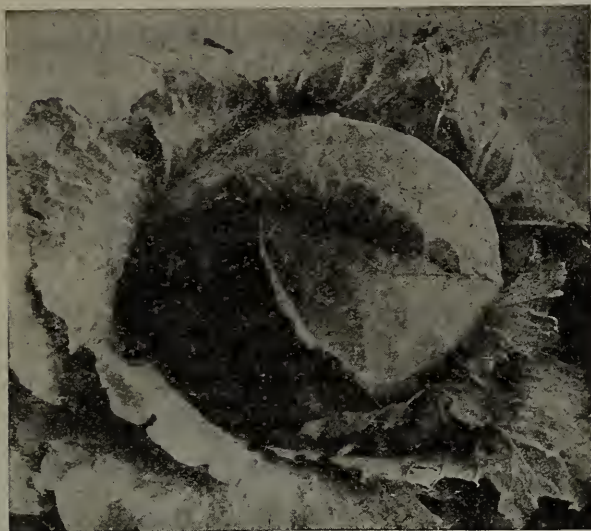


ALL HEAD-EARLY CABBAGE

All Head-Early

An excellent second early sort. Heads large, solid and flat, very deep for so early a cabbage and a very good quality, stem is short. It is described not only for spring planting but by planting late it can be used as a fall and early winter cabbage. Well adapted for kraut. The seed we offer is of first quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, 1b. \$3.50.

Early Dwarf Flat Dutch. Good flat-headed variety, with short stem and hard, firm head. Forms heads early; is valuable for summer. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., 1b. \$3.50.



GLORY OF ENKHUIZEN CABBAGE

Early Spring. The earliest flat-headed variety. The plants are vigorous, very compact, with few outer leaves and a short stem. Early spring will produce a crop almost as quickly as Jersey Wakefield but being of large size will prove very valuable to the market gardener. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Pe-Tsai, Chinese or "Celery" Cabbage—See page 4 for description. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50 postpaid.

Early Summer. Desirable, medium sized, early, flat-headed variety. Good keeper, does well in summer and autumn. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Succession. A sure heading sort, second early, adapted for autumn as well as late summer use. Heads are large, deep, very firm and of excellent quality. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



SUCCESSION CABBAGE

+++++
NOTE
Slug Shot kills cabbage worms absolutely.
Can be used without danger. 1 lb. 35 cts., 5
lbs. 65 cts. Postpaid.
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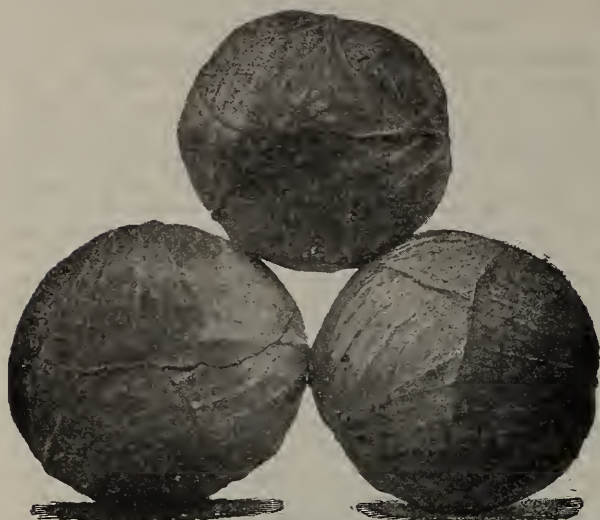


AMERICAN
DRUMHEAD
SAVOY CABBAGE

Cabbage (*Late and Winter Sorts*)

American Drumhead Savoy. The plants are vigorous, of medium size, with rather short stem and are very sure heading. The outer leaves are medium large, thick, fleshy and densely and uniformly crumpled; the heads are large, nearly round, fairly solid, sweet and tender. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Autumn King, or World-Beater. This is an excellent late cabbage. In good soil, it will produce enormous solid flat heads. It has such small outer leaves that it can be planted closer than the ordinary late sorts. Seed sown the first of June will produce fine heads to put away for the Winter. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



DANISH BALLHEAD OR HOLLANDER

Danish Ballhead or Hollander

Has few equals for winter use. Very hardy, sure heading, very solid, of excellent quality and one of the very best keepers. Heads are medium size, round, is most excellent shipper. Quality is second to none. Seed we offer is grown for us by the best growers in Denmark and will produce more uniformly heads than can be grown from stock obtained elsewhere. Crops very short. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Remember this price is for our Imported Danish-grown Seed—see illustration.

Danish Roundhead. Short-stemmed, having less outer foliage, this sort is better able to resist blight, being, in most sections, as vigorous in growth as the best American types. Heads average larger and mature nearly two weeks earlier. Are unusually solid, and beautifully white when trimmed. Splendid keepers when stored away for the later winter and spring. Seed imported direct from Denmark. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

J. P. Arnold & Bro., Beaver Co., Pa.—“Your Danish Ballhead Cabbage Seed made a perfect stand in our plant bed.”

Surehead. We recommend this reliable sort for northern markets, being late, hardy and sure heading. Head large, somewhat flattened, compact, very solid and of excellent quality. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Premium Late Flat Dutch. A very popular sort. The plants are hardy, stem rather short. The heads are very large, flat but deep and of excellent quality, good keeper. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Mammoth Rock Red. While late in maturing, this is the largest-heading of all deep red varieties. In good soil the heads will average 10 pounds. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Cabbage Plants. Ready in season according to varieties. Write for prices.

Leonard Evans, Clark Co., Ky.—“I have been one of your customers for three years, and have had especially good results with the Holmes-Houser Cabbage.”



DANISH ROUNDHEAD
CABBAGE

(Short Stemmed)

Holmes-Houser (Latest Cabbage of them all)

An excellent late Cabbage, requiring rich soil. Two weeks later than any strain of the Late Flat Dutch type. In solidity is hard as the Danish Ballhead. Compact in habit of growth, the leaves overlapping the head. The shape and appearance are shown in the illustration. In size the Holmes-Houser Cabbage will average about 12 pounds at maturity, and the heads are uniformly handsome. The shape is round and deep, as indicated; and when a head cracks or bursts it is always at the stem end, which does not destroy its use for market. In quality the Holmes-Houser Cabbage equals the best, being very free from the coarse ribs found in most late sorts. It is a strong, vigorous grower, with ability to withstand drought better than most varieties. It sells well in the market, and adapts itself to various conditions of soil and climate. It is because the Holmes-Houser is so extremely late and is such an excellent keeper that it has attained such wide popularity. Owing to the scarcity of seed we cannot offer this variety in larger quantity.



HOLMES-HOUSER CABBAGE
Largest, Hardest Heading Cabbage Grown

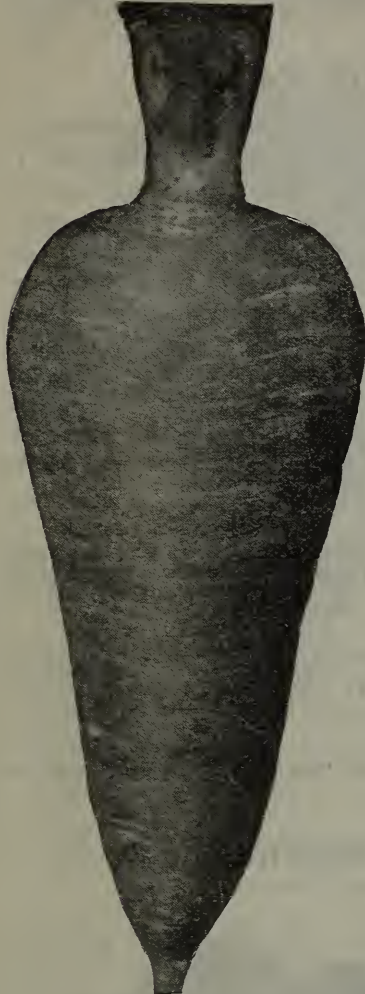
A Warning. It is absolutely necessary to plant out the Holmes-Houser Cabbage two weeks earlier than any other late sort, as it requires this much longer to mature than the Flat Dutch types or any other late variety.

Price of Holmes-Houser Cabbage, Originator's Stock—Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.00. Crop almost failure.

Carrots

Sow the seed thinly in shallow rows early in the spring. Make three or more sowings of the early varieties a month apart, to afford a succession of tender roots.

When plants are well started, thin out the small early sorts to three inches apart in the row, and large late varieties from five to six inches. They should be sown in deep, rich soil, deeply worked, and receive constant cultivation during growth to insure smooth, straight roots. One ounce will sow 100 feet of row three to four pounds to the acre.



DANVERS CARROT

Chantenay

The popular sort for bunching. This splendid Carrot belongs to the half-long, stump or blunt-rooted type, but differs from all others of this class by its greater girth, bulk and consequent yield. It averages 6 to 7 in. in length, is broad at the neck, narrowing gradually to the round, blunt base, therefore is easily harvested. The most prolific of all Carrots. The flesh, entirely free from core, is of rich orange-red and of the finest table quality, fine-grained, tender, juicy and delicately flavored. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



CHANTENAY CARROT

Danvers

A HALF-LONG ORANGE CARROT, grown largely on account of its great productiveness and adaptability to all classes of soil. It is a desirable second early Carrot for the home garden and is also suitable for field culture. The tops are of medium size. The mature roots are of medium length, 6 to 8 in. long, tapering uniformly to a blunt point. The flesh is deep orange, tender and of good quality. Although the roots of this variety at maturity are comparatively short they often produce as large a bulk as the longer field sorts and are more easily harvested. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Half-Long Nantes

Early half-long, scarlet root, cylindrical, blunt-ended, and with a very small tap-root. They average six inches in length, by one and one-half inches in diameter. The skin is very smooth and clear and of a rich color. The flesh is sweet, mild and of a fine texture lacking any stringiness, while the core is very small and quite devoid of woody fiber. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Oxheart, or Guerande

This fine sort is of the most advanced type of the shortened thick form. Roots attain a diameter of four inches at the top; five to six inches in length, and frequently nearly two inches in diameter at the abrupt stump-root. The roots are free from hard core, and of the finest quality for table use; both skin and flesh are highly colored. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Scarlet Horn (Dutch Horn)

May be planted very early in spring, and is an excellent summer variety. Tops small and roots grow about three inches long; reddish orange and good flavor. May be grown either in frames or in the open ground. Like the "French Forcing" Carrot, this variety is at its best quality while young and tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

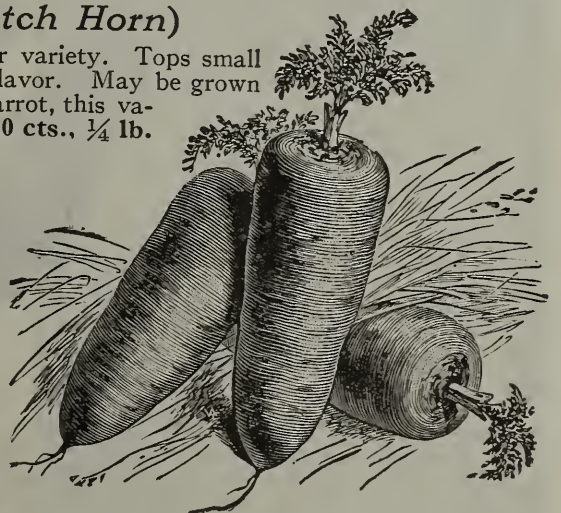
Improved Long Orange

The roots of the improved strain of this variety we offer are very deep orange, long and comparatively thick, often twelve inches in length and three inches in diameter at the crown, tapering regularly to a point. The tops are rather large. This intermediate to late maturing sort is suitable for table use as well as stock feeding, combining great productiveness with uniform shape where grown in light, deep, rich soil. When of size suitable for the table, the roots are tender and of good quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Large White Belgian (For Stock)

Grows a third or more of its length above the ground. Roots will average two inches in diameter at the shoulder and a foot or more in length. The diameter is even throughout the entire length, the roots tapering gradually at the base. They are easily pulled in harvesting, and do not have to be dug out, like most long-rooted sorts. Flesh and skin pure white, though the latter is occasionally tinged with green in upper portion growing above the soil. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Holmes' Emperor Celery is finest flavored Celery grown



HALF-LONG NANTES CARROT

Cauliflower

Requires very rich soil, cool seasons, and abundance of moisture. Grown same as cabbage either as a spring crop or for late fall.

Late in May or during early June preparations are made for the main crop in the fall. Seeds are sown in rows, eighteen inches apart, covered one-quarter inches. Late in June plants are set in rows with two or three feet between the rows, eighteen inches to two feet between the plants, to be cultivated like cabbage. For best results, use abundance of available plant food and a constant water supply. Clear and thorough cultivation is absolutely essential. Hoe right close to the plants, giving shallow cultivation as they expand. When the young heads begin to form, draw some of the leaves across to prevent the sun from discoloring or scorching them. This may be done by tying the large outside leaves at the tips with soft twine. One ounce of seed will produce about 3,000 plants $\frac{1}{4}$ lb. enough seed for an acre.

Our Leaflet "How to Grow Cauliflower," free when asked for.



"HOLCO" EARLIEST CAULIFLOWER

"Holco" Earliest

The earliest and best, quick-growing Cauliflower for family or market-garden, forcing or cold-frames. It heads where others fail. "Holco" Earliest is superior to all others. The earliest of all Cauliflowers. Its close-growing, compact habit, enables one-third more to be planted on the same space of ground than can be done with other varieties. For forcing under glass during winter and spring, "Holco" Earliest is peculiarly well adapted, from its dwarf growth and short outer leaves. Carefully grown for our trade in Denmark, where the finest Cauliflower is produced. Half size pkt. 15 cts., pkt. 25 cts., $\frac{1}{4}$ oz. \$1.00, oz. \$3.50, $\frac{1}{4}$ lb. \$11.00.

Mrs. Cora Yeater, Ashland Co., O.—"Two years ago I sent to you for all my garden seeds, and I never had as nice and good a garden as I had then, so please send me a seed book, as I want to send for seeds."

Geo. Lindner, Marquette Co., Wis.—"We wish to acknowledge the success we had the past two years in growing your seeds. We have found them to be the best we have ever sown, good to grow and good to produce."

Mr. A. F. Erdman, O.—"We are well pleased with our seeds."

Variety is about ten days later than our Snowball. Dwarf growth, producing very large, stone-hard and snow-white heads, fully protected by the foliage, especially fitted for dry and hot weather and for sections subjected to long dry seasons, a sure header when all other sorts fail. Cannot be forced, but is, in culture on open ground, the Cauliflower that gives the highest yield. Half size pkt. 15 cts., pkt. 25 cts., $\frac{1}{4}$ oz. \$1.00, oz. \$3.50, $\frac{1}{4}$ lb. \$11.00.

Early Snowball. Very popular variety with few narrow gray-green, upright leaves, heads very white. Similar to the "Holco" Earliest, but not quite so early. Pkt. 15 cts., oz. \$2.50, $\frac{1}{4}$ lb. \$9.00.

Veitch's Autumn Giant. A large late cauliflower, producing quite compact white heads. These large late varieties are not nearly so reliable as the earlier Erfurt type. Known on the Pacific coast under the name of California Wonder. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50 postpaid.

James A. St. John, Trumbull Co., O.—"I am very much pleased with the seeds that I have received."

Mrs. W. W. Sykes, Richland Co., O.—"I am more than pleased with the results obtained from your seeds. Your Cauliflower seed is the finest I have ever grown."

Danish Giant or Dry Weather



DANISH GIANT OR DRY WEATHER

Early Dwarf Erfurt. One of the very best varieties for field cultivation, especially for late crops. Under ordinary conditions produces large, deep and very solid white "flowers." Pkt. 15 cts., oz. \$2.50, $\frac{1}{4}$ lb. \$9.00.

Cauliflower Plants. Ready in season; transplanted stock. Write for prices.

Celery

One of the most popular vegetables for the table during fall and winter. Celery seed is slow to germinate, and ample time must be given. Sow seed in seed beds or boxes during February or March. Set plants in rich soil during June or July, six inches apart. Make the trenches 6 to 8 inches wide at the bottom so that rains will not wash the earth over the young plants. As the plants grow, cultivate the ground into the trenches. When plants are large, heap earth around stalks to whiten them. One ounce will produce about 8,000 plants, one-fourth pound for an acre.



Holmes' Emperor Winter Celery

Largest, Most Solid and Finest Nuted Flavored Celery Grown

Excels by far the Pascal, Columbia or any other Winter variety. The tops are green, while the outer stalks blanch white and the inner stalks are tinged with yellow.

A true dwarf type and therefore much easier to blanch than the taller growing sorts. The plants average from 15 to 18 in. in height, while the blanched part is 6 to 9 in. long.

Stalks are smooth, moon-shaped, very thick. Some measuring $\frac{9}{16}$ in. through when cut. As near round as possible, found only in Holmes' Emperor. Color is white, heart being tinged with yellow, flavor is unsurpassed, being decidedly nutty and crisp.

Although low-growing, each stalk averages fully two pounds in weight. Since the introduction of the Holmes' Emperor Celery in 1912, it has been called Fordhook Emperor. Holmes' Emperor has been tested by some of the largest growers of celery in America, as well as Europe, who pronounced it as the finest flavored and best keeping variety of outstanding merit. Pkt. 10 cts., oz. \$1.20, $\frac{1}{4}$ lb. \$3.60, 1b. \$12.00.

M. E. Smith, Ohio.—"We tried Holmes' Emperor Celery last year and think it is the finest celery we ever ate."

V. M. Housley, Cuyahoga Co., O.—"Your seed was all very good, gave perfect satisfaction. I will be wanting some more of the Holmes' Emperor Celery seed next year."

Kehl Bros., Stark Co., O.—"We consider Holmes' Emperor Celery the most brittle and finest flavored celery grown. Our customers are wild for it."

Peter Nei, Huron Co., Ohio.—"Your Holmes' Emperor was certainly great."

Golden Self-Blanching or Paris Golden

Finest French-Grown Seed

This variety of French origin, is becoming more popular every year, and is now one of the most extensively grown sorts, both for private use and for market. American Golden Self-Blanching has given satisfaction in the family garden, yet most of the larger growers in Ohio, New York, Michigan, Florida and other States insist upon having only French grown seed even though it costs double the price. We handle the originator's seed only, no other imported seed of this variety.

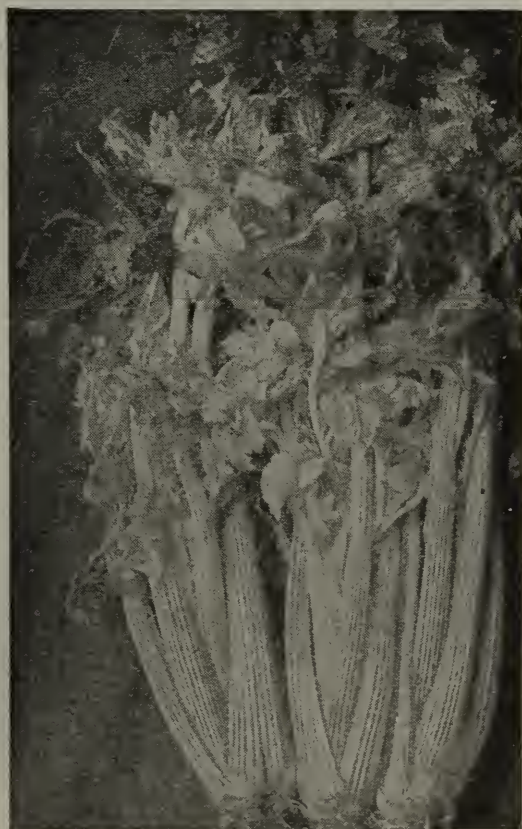
Not as early as White Plume, though it possesses the same self-blanching characteristics and is of heavier and more compact growth, the stalks being thick, crisp and brittle, while the hearts are large and solid, all blanching a beautiful waxen yellow. The quality is superb, tender and free from stringiness; flavor rich, delightful. (Our seed is grown by the originator in France.) Pkt. 10 cts., oz. \$1.20, $\frac{1}{4}$ lb. \$3.60, 1 lb. \$12.00.

F. Buurma, Richland Co., O.—"Your strain of Golden Self-Blanching Celery has proven to be the best in quality."

The Horr-Warner Co., Lorain Co., O.—"The Golden Self-Blanching Celery grown from your seed has turned out satisfactorily, and you may express us ten pounds."

White Plume. Earliest and most easily blanched, but does not keep well if taken from the trenches. The plants grow rapidly and blanch easily during the summer months. Later in the fall the central stalks and leaves are of pure snowy whiteness, even without earthing up, but stalks should be gathered together and earthed up as in other varieties, so as to produce close, attractive bunches. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., 1b. \$3.00.

D. W. Ensign, Battle Creek, Mich.—"I have always had splendid luck with your seed in my acre garden, better than I have had with seeds purchased from other houses."



GOLDEN SELF-BLANCHING CELERY



A Field of Columbia Celery at the Dulabahm Gardens, Canton, O.

J. S. DeYoung, Portage Co., O.—“Last year I tried your Easy-Blanching Celery and it certainly beats very other kind of celery in every respect.”

Mrs. Emma Bowman, Ashland Co., O.—“I think the ‘Holco’ seeds are fine. We like your Holmes’ Emperor Celery, think we never had any quite so good.”

Easy-Blanching. The easiest and quickest to blanch. For description see page 5. Pkt. 10 cts., oz. \$1.20, $\frac{1}{4}$ lb. \$3.60, lb. \$12.00.

Giant Pascal. Stalks are dwarf, stocky growth, broad, thick, solid, stringless, almost as brittle as glass; fewer in number than in ordinary kinds of Celery, but making full weight by reason of width and thickness. An elegant winter keeper for home or market. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

CELERIAC

Turnip Rooted Celery. An excellent thing in its way. It is used for flavoring and is in wide demand. Culture is the same as celery. As the roots are the edible portion, it requires no hilling. Is early and smooth. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Mrs. Scott Freer, Ashland, O.—“Your seeds are just fine. I do believe every one grows. I am sorry I have such a limited space in which to plant a garden. Best wishes.”

Mrs. Harry Schaber, Columbiana Co., O.—“The seeds were received in fine condition. Thank you for your promptness in filling the order.”



GIANT PASCAL CELERY

Chicory

Chicory is grown for the large, thick roots, which are dried, roasted, and ground as a substitute or adulterant for coffee. The leaves are used also as a salad during the early months. To secure large, smooth roots the soil should be light, rich, and deeply worked, and the plants should be thinned out to stand four to six inches apart. One ounce to 100 feet of row.

Large Rooted, or Coffee. Pkt. 10 cts., oz. 35 cts.

Witloof - Chicory. For description and price see page 3.

COLLARDS

Georgia. These are grown and largely planted in the south. They form a mass of leaves and resemble cabbage in growth. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



CORN SALAD

Corn Salad

This is a cool weather crop that does well only in the fall, winter, and early spring. Seeds are generally sown in the fall, in either small beds or short rows, eight to twelve inches apart. One ounce will sow 30 feet of row.

The directions given for growing spinach apply to corn salad as well. Leaves should be gathered when four to six inches long. Served in connection with other salad plants, corn salad is very palatable. The first crop is ready, sixty days after cool weather. It is quite hardy and after cool weather sets in can be protected by a thin mulch of soft hay or straw. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Sweet Corn

Always does well on sod land, or where clover has been turned down. Plant when danger of frost is over, five or six seeds one inch deep in hills three feet apart. When plants are four inches high pull out all but two or three plants to each hill. Make new plantings every two weeks until July 10th, so as to have corn for use during the entire season. Use two pounds for 600 hills; 12 to 16 pounds to the acre.

Improved Bantam

**The Largest, Sweetest Yellow-Grained Sweet Corn
Retaining Its Delicate Tenderness Even
When a Little Old**

Improved Bantam excels all the other early varieties of corn in size, productiveness, and quality, and all the late varieties in quality and early maturity while equaling them in size.

Because of its hardiness, it may be planted as late as July 15th in Northern Ohio.

The stalks grow five to six feet tall and very stout near the ground. They produce two or three ears each, and sometimes more.

Each ear is eight to nine inches long, white cob of very small diameter, carrying twelve to fourteen rows of long thick kernels of deep orange color. It produces an abundance of foliage for such a short stalk.

Improved Bantam is the corn for the home or market gardener who desires the greatest amount of the highest quality corn in the shortest period of time.

You can not make a mistake in planting Improved Bantam. Last year the demand exceeded the supply, and we were obliged to refuse many orders. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

C. A. Sommer, Jay Co., Ind.—“The garden seeds we got from you last winter are fine. We have the best garden this year that we have ever had. Will have another order when we get your next year's Catalog.”

Holmes' Premo

Large-Eared Early Sweet Corn

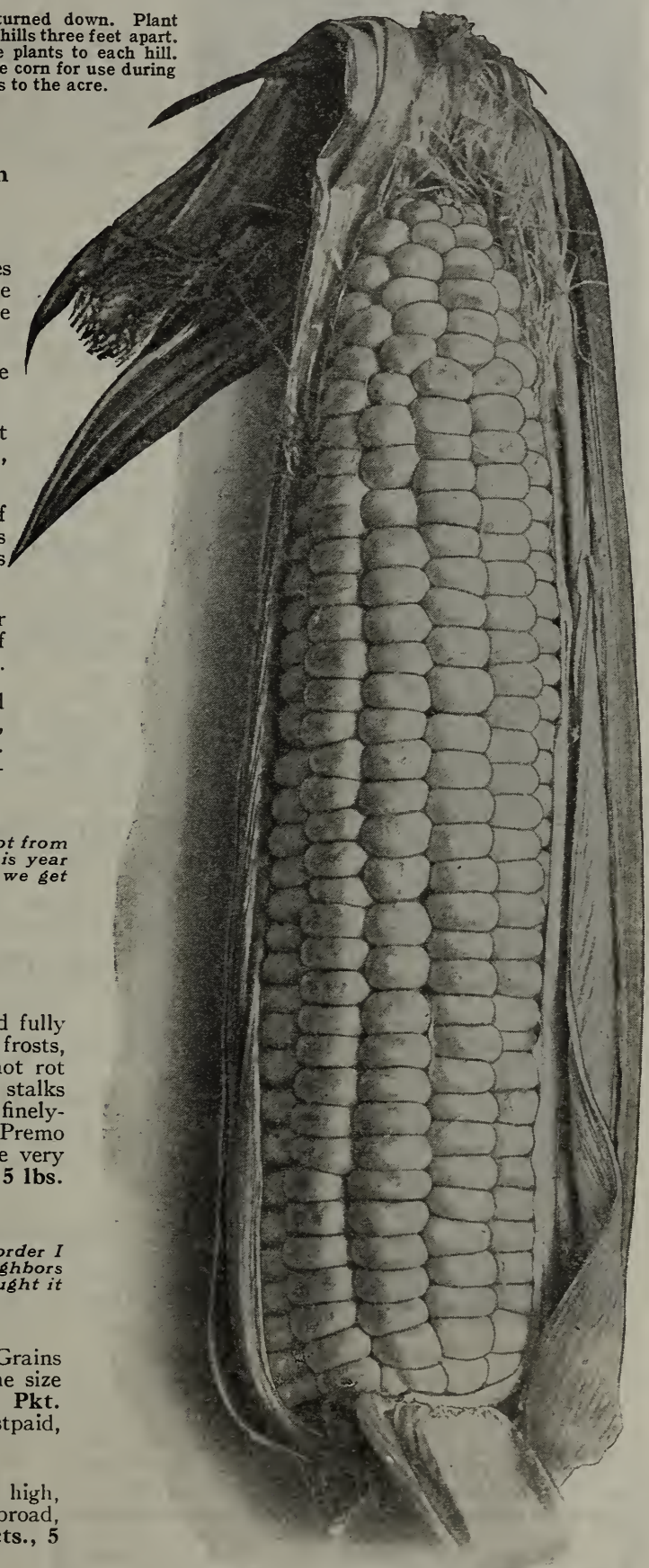
Ready for the table in 60 days. Must be planted fully as early as the Adams. The young plants stand light frosts, where the other varieties are tender, the seed will not rot when planted before the soil becomes warm. The stalks grow about 5 ft. high, and bear two uniformly-sized, finely-appearing ears, 7 to 9 in. long, to each stalk. Holmes' Premo is of the best quality. The ears are well filled to the very tip. Price, pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.

S. L. Shinn, Columbiana Co., O.—“This is the first order I ever sent to you, but I ate some Premo Sweet Corn at a neighbors last year, that was raised from seeds of yours, and I thought it was excellent.”

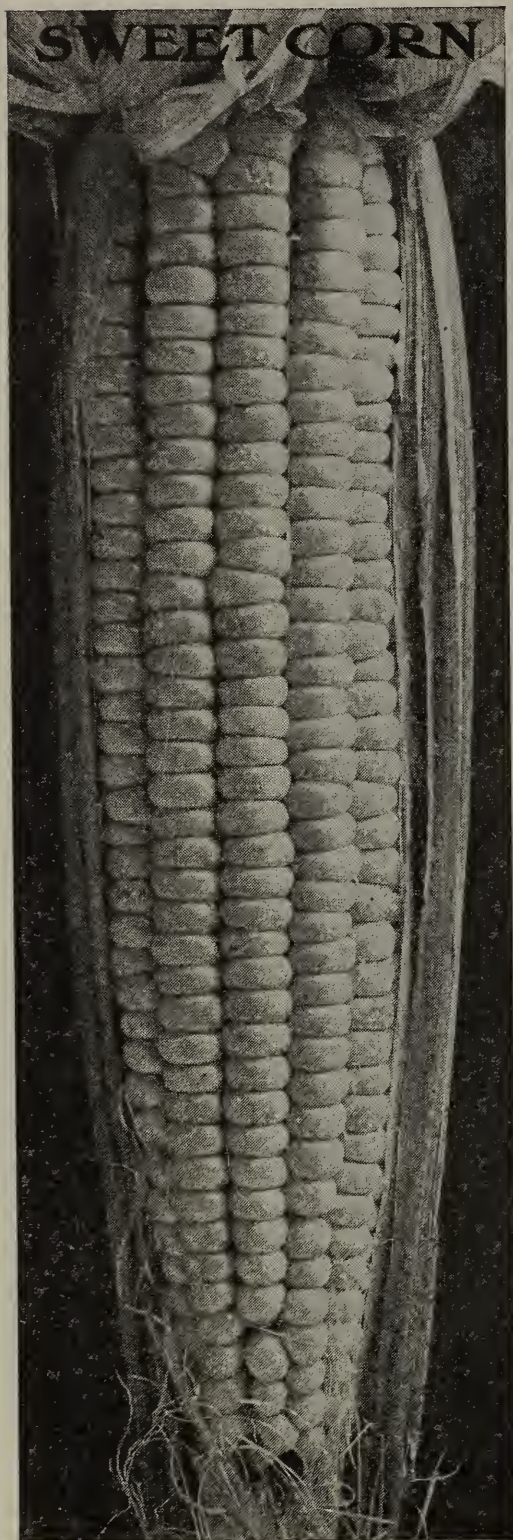
Mammoth White Cory. An early corn. Grains large and white and of remarkably good quality. The size gives it ready sale when the market is overstocked. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 22 cts. lb.

Early Minnesota. Early sort. Stalks 6 ft. high, bearing 1 or 2 ears. Ears 8 in. long, 8-rowed; kernels broad, sweet, tender. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.

Ten pound prices do not include transportation.



IMPROVED BANTAM SWEET CORN



HOWLING MOB

Howling Mob

Large Eared Early Sweet Corn

This excellent Sweet Corn originated in Lucas Co., Ohio. Ready to use within 3 to 5 days after Early Cory when both are planted at the same time. Ears measure 7 to 9 in., with 12 to 14 rows of good size. Stalks are strong and vigorous, growth $4\frac{1}{2}$ to 5 ft. in height, having abundant foliage, generally producing 2 fine ears to a stalk. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 22 cts. lb.**

Golden Bantam

Earliest, hardiest and sweetest deep, yellow-grained variety. Golden Bantam is actually the finest flavored of all Sweet Corns. Can be planted thickly; stalks have 2 or 3 ears. On account of the firm substance of the cured grains it can be planted earlier than any other Sweet Corn, which, in itself, is a valuable quality. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.**

J. G. Exline, North Industry Rd.—“I planted a lot 50x120 ft. in Golden Bantam Sweet Corn. You said the seed tested 75%. It must have been at least 90%. July 27, I sold from the first picking to the amount of \$32.07. In all I have used and given away at least \$10 worth of delicious corn, besides total cash sales of \$52.81, and have a nice lot of fodder yet to sell. I'm going to stick to Golden Bantam.”

Kendel's Early Giant. Remarkably large in ear for a second early sort and extensively grown in some localities for the market. The stalks are about five and one-half feet high. The ears are about eight to nine inches long, twelve rowed. The grain is white, rather broad and shallow, and the quality is very good. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.**

Crosby Early. A 14-row second-early corn; ears 6 to 7 in. long; one of the best for the truck grower and home gardener. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.**

Early Evergreen. Earlier than Stowell Evergreen. Ears about 7 in. long, have 16 to 18 irregular rows, with very deep grains. Plants about 7 ft. high. Main-crop variety for home garden and market. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.**

Peep O'Day. Very early. Sweet and delicate in flavor. Single plant bears from 3 to 4 ears. The ears are small, 6 in. in length, kernels white. Stalks grow $3\frac{1}{2}$ to 4 feet in height, having light foliage, therefore may stand close together. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.**

Black Mexican. Corn cooks remarkably white, but the ripe grain is bluish black. Is tender and of fine quality. Stalks about $6\frac{1}{2}$ ft. high; ears about 8 in. long; usually 8-rowed. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.**

Mammoth Late. A large-eared variety. Produces mammoth ears which are thick through, with large, broad grains of excellent quality. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 22 cts. lb.**

Narrow Grained Evergreen

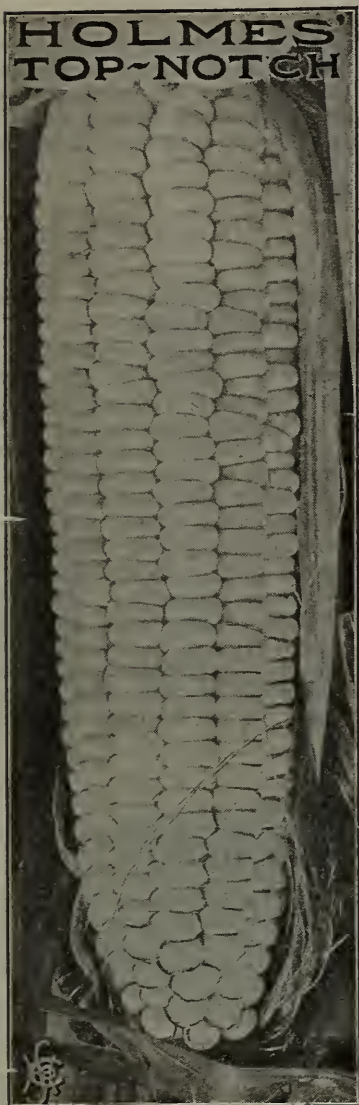
A New Late Sweet Corn. A selection from the broad grained Evergreen in which the large sized cob is retained with the kernels only half as wide as the Standard Sort. The result is a much more attractive looking corn. Especially valuable to market growers. **Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.**

Adams' Extra Early. Earliest, hardy, not sweet. Grains white and the ear presents a fair and attractive appearance. **Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10 postpaid, 10 lbs. or more at 20 cts. lb.**

PLEASE NOTICE

If you want larger quantities of Corn, write us for special prices, stating quantities wanted.

Holco Top Notch Sweet Corn



Mrs. J. W. Imhoff, Ashland County, O.—“Had a nice lot of Queen's Golden Pop-Corn from seed purchased of you.”

Top Notch is destined to become a leader among sweet corn. The plant is of dwarf habit and very hardy, capable of carrying a large number of uniformly large, thick ears, compactly filled from butt to tip with long white kernels of luscious tenderness. It excels in earliness and productiveness. A quick growing sort, being hardy, will stand early planting in the north. We are confident that this corn is worthy of a trial in every garden and truck patch. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

Country Gentleman or Shoe-Peg. A mid-season Sweet Corn. Ears are large-size, frequently three on a stalk, giving great depth to the grains. Ears average 8 to 9 inches in length. For sweetness none surpasses this variety. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 5 lbs. \$1.25 postpaid, 10 lbs. or more at 20 cts. lb.

White Evergreen. Ears as large as those of Stowell's, about 5 days earlier. Its most valued feature is the whiteness of the grain. Stalks 7 ft. in height, ears contain 16 or more rows of deep grains. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10 postpaid, 10 lbs. or more at 20 cts. lb.

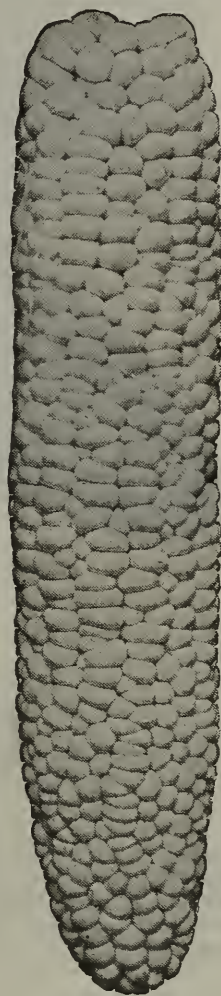
Stowell's Evergreen. Standard main-crop variety. Hardy, productive, very tender, sugary, remaining a long time in condition. Our stock has been carefully grown and selected. Ears about 8 in. long, 14 to 20-rowed; stalks about $7\frac{1}{2}$ ft. high. Pkt. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.10 postpaid, 10 lbs. or more at 20 cts. lb.

Pop-Corn
Japanese Rice

Also known as Tom Thumb, Australian Hulless. Japanese Rice is a dwarf-growing White Rice Pop Corn, a heavy yielder, and is ready for popping soon after it is husked. It has no hull or shell or hard center, is most tender, and of a delicious flavor when popped. You will not be without it if you give it a trial this year. $\frac{1}{2}$ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50 postpaid.

White Rice. Stalks grow six feet high. Produces 3 or more ears on a stalk. The grains are sharply pointed. $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.00 postpaid. Write for prices on larger quantities.

Queen's Golden. Most popular. Pops perfectly white. Produces 3 or more ears on a stalk. $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 5 lbs. \$1.00 postpaid. Write for prices on larger quantities.



COUNTRY GENTLEMAN

Cresses

Curled Cress, or Pepper Grass, is one of the most appetizing of all spring salads. Makes a very rapid growth in any garden soil. Should be cut often and it will continue to grow. Used not only for salad, but for garnishing. Sow very thinly in rows, a foot apart, cover lightly. Make repeated sowings every two or three weeks. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., 1 lb. \$1.00 postpaid.

Water Cress should be sown in damp soil; or if a stream of water can be utilized, it will be much finer. Will also thrive well in damp hotbeds. Rightly managed, its culture is very profitable. Being hardy, it will thrive year after year, after becoming established. It can also be grown in pans, boxes, or bowls, in the house, giving it a sunny window. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.50, 1 lb. \$5.00.

Dandelion

A hardy perennial is one of the greatest spring tonics. The broad-leaved cultivated form is far superior to the wild growing product. Sometimes grown and blanched like endive for salad purposes, it is generally cooked as greens. Seeds are sown thinly, in rows fifteen inches apart and covered very lightly.

Improved Thick Leaved. Very early. Pkt. 15 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$2.75. One ounce of seed will sow 300 feet of row.

J. F. Hammar, N. H.—“The Improved Thick-Leaved Dandelion came up 90%. That is some for Dandelion.”

Mrs. L. E. Muckelburg, Huron Co., O.—“I sent you an order for Garden Seeds last spring and had such fine results that I want to send you my order again this year. Kindly send me a catalog.”

Cucumbers

Cucumbers should be grown in every garden to furnish both large fruit for slicing on the table and small young fruits for pickling. Plant 10 to 12 seeds one inch deep in hills four feet apart. Later thin to two or three plants per hill. Do not plant until soil is warm and frosts are over. A second sowing may be made late in June and during July, for a fall crop. Hoe or cultivate only until plants start to vine, then pull weeds by hand. Should a little beetle with yellow-striped wings, visit the patch, fight him at once by spraying or dusting Arsenate of Lead or Pyrox. Cucumbers have no insect enemies. The richer the soil the more they grow. One ounce will plant one hundred hills; two pounds will plant an acre.

Our seed is grown from selected stocks, and can be relied upon to produce smooth and uniform fruits.

Arlington Perfected White Spine Cucumber



ARLINGTON PERFECTED WHITE SPINE CUCUMBER

Extra Early—Prolific—The Finest For Slicing

The fruits are nearly cylindrical in form, slightly pointed at the ends, perfectly smooth, of deep rich coloring, marked with distinct white lines at the blossom end. They are of extremely handsome and attractive appearance. Vines are vigorous in growth and enormously productive. Fruits retain their dark-green coloring and crisp freshness longer after picking than any other variety, excepting only the Early Fortune. They retain also their fine quality even after the seeds are well formed. Splendid as table cucumbers and for market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50 postpaid.

Klondyke

Excellent Table Sort

A hybrid sort of the White Spine type, which holds its dark green color longer than most other sorts. Averages 6 to 7 inches in size; ends are quite square and it is about 2 inches thick. Its extreme earliness, combined with its prolific and hardy qualities, make it a very desirable variety for either market or private use. An excellent sort for slicing. When small, this variety is also an excellent pickling sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Early Fortune

Earliest—Rich Dark Green

We believe we have the most uniform shaped, dark-green cucumber grown. It is good for forcing, and as a slicer, in our opinion, has no superior.

It is very popular with home gardeners, and equally so with market gardeners or any one desiring cucumbers holding their dark-green color until maturity.

If you do not grow this variety you should do so and give yourself one of the choicest and best varieties. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Davis Perfect

The originator states that he experimented several years in trying to get an improved strain of Cucumber for forcing under glass and outside culture. The Cucumbers are a good shipper, rich dark green, from nine to ten inches in length, slender, slightly tapering, straight on under side, slight hump on upper side, shy seeders, very tender, of fine flavor. Vines vigorous and able to withstand unfavorable weather, better than most varieties. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.75.



DAVIS PERFECT CUCUMBER

Extra Long or Evergreen White Spine

One of the very best white spine Cucumbers, due to its length, which oftentimes will be ten to twelve inches from end to end. Vines vigorous and strong, producing a heavy crop of fruit, which are smooth, dark, shiny green until a late stage of maturity. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.75.

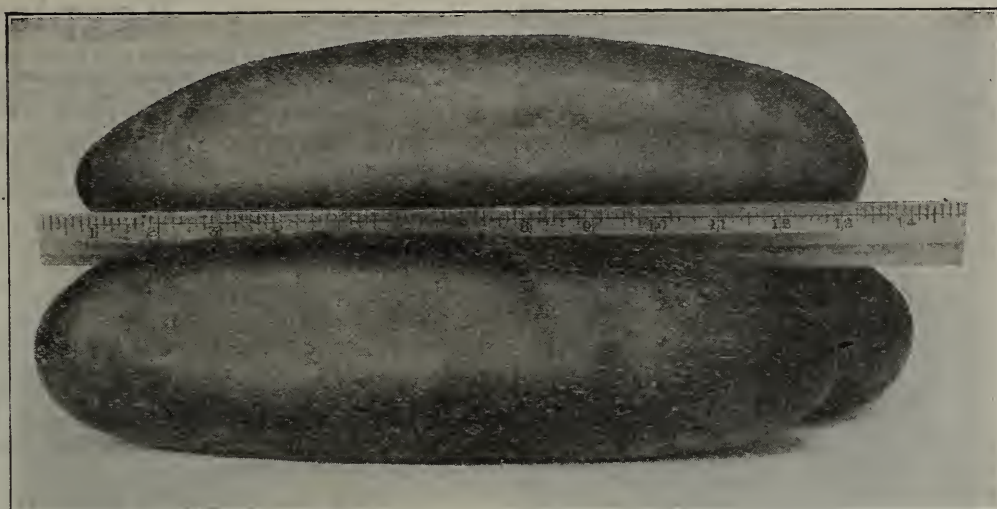
White Wonder. Is a smooth pure white, grows to a good size, flesh firm and crisp; used considerably for canning. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Mrs. Ralph Hart, Fayette Co., Pa.—“I had good luck with your seeds last year, especially Chalk's Early Jewel Tomatoes and Davis Perfect Cucumbers. They certainly yielded well.”

Improved

Long Green

Cucumber

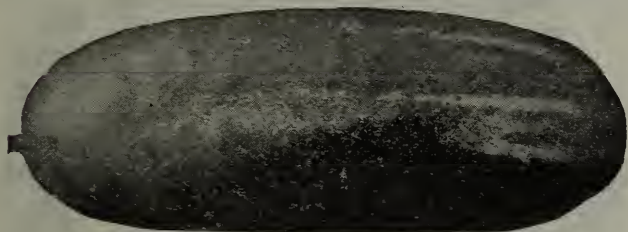


Fine Cucumber, grows from 12 to 14 inches in length, and is of superior quality. The young fruits are very largely used for pickling, a standard sort for that purpose. Full-sized Cucumbers are in high favor for making the so-called sweet pickles. Vines are strong growers, while a shy seeder, the fruit is always produced in great abundance, making it one of the most productive varieties in cultivation. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Japanese Climbing. Good variety for training to a trellis. Form long fruit of rich dark green color. The flesh is white, crisp, good flavor. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

West India Gherkin. Extremely small fruited variety, grown exclusively for pickles. Has no value for slicing. Very prickly, but tender and crisp if pickled when young. Seed germinates slowly. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Cucumbers—For Pickling



Early Cluster

This medium sized, bright-green variety, is one of the most prolific of our Cucumbers. Combined with extra earliness and productiveness, it is a strong, rugged grower and a continuous producer. Owing to its early maturity and thrifty growth, it will withstand unseasonable weather and produce good crops under adverse conditions. Not quite so large in size as some of the standard pickling varieties, yet it makes one of the very best varieties for home use or for growth as a standard pickle sort. Can be used for slicing. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Cool and Crisp. Fine garden Cucumber, deep green, crisp. White Spine type, pure white when ripe. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Everbearing. Very early prolific. Fruits 4 to 6 in. long, quite thick and blunt at the ends; rich dark-green color. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

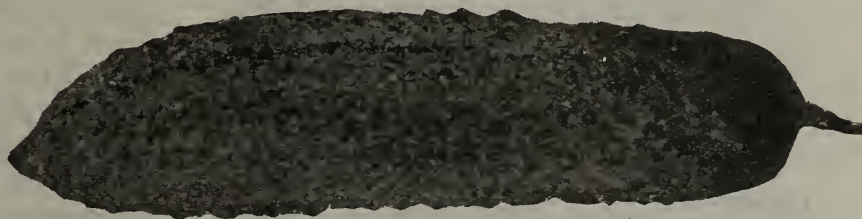
Short Green or Early Frame. Very desirable variety for either pickling or table use. Fruit straight, small at each end; bright green. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Snow's Pickling. An early maturing, very small, dark green Cucumber, cylindrical, square ended, and popular with growers for small pickles. We have been giving special attention to purity and uniformity of type and we believe the seed we offer meets in all respects the requirements of those who want an ideal bottle pickle. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Chicago Pickling. This is one of the best and most prolific for producing pickles of medium size, both for home use and market. The vines are extremely vigorous and healthy, yielding a large number of fruits if kept gathered at the proper stage. Skin extremely thin, tender, and free from toughness when pickled. Fruits are of excellent table quality. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Extra-Early Green Prolific or Boston Pickling

This is a very prolific variety, largely grown for pickles. The fruits average four to five inches in length when large enough for slicing, and are of excellent quality; but it is chiefly for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



BOSTON PICKLING

Mr. A. F. Erdman, Portage Co., O.—“We were well pleased with our seeds, and are sending for onions and a few other things.”



BLACK BEAUTY EGGPLANT

Eggplant

Sow seed in March in hotbeds or seed boxes, and when 3 in. high transplant into small pots. Plant outdoors after the weather has become permanently warm. The rows should be 3 ft. apart and the plants set 2 ft. apart in the row. Hoe frequently to keep soil loose and fine. One ounce of seed for 2000 plants, $\frac{1}{4}$ pound to an acre.

Black Beauty. While the Eggplant is naturally tender, the plants of this variety are remarkably healthy in their growth, and produce an abundance of large fruits fully ten days earlier than the New York Improved. The skin is rich purplish black, making the fruit very attractive in appearance. Entirely spineless. The quality is all that could be desired, and the fruits are solid, tender and of excellent flavor. Make a good show on the market-stall, always bring good prices. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

New York Improved Purple. The leading sort for home and market. Plant is a vigorous grower. Fruit large, fine and free from thorns, and produced until frost. Skin rich purple. Flesh white and of good flavor. We can highly recommend this carefully selected strain of Eggplant to market gardeners and amateurs. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

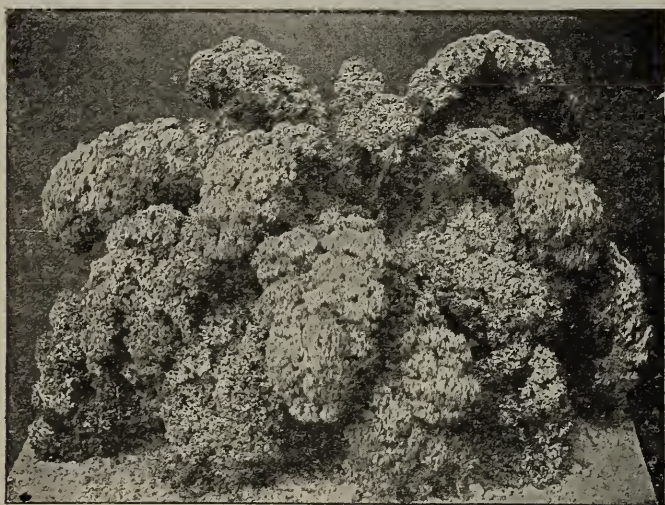
Endive

Sow seed half inch deep in April for early use, or for late use in June or July. When two or three inches high, transplant or thin plants to eight inches apart. To blanch hearts, raise leaves and tie together over heart. Ounce of seed to 100 feet of row, $4\frac{1}{2}$ pounds to an acre.

	Pkt.	oz.	$\frac{1}{4}$ lb.	lb.
Green Curled. The most popular variety.....	\$0.05	\$0.15	\$0.40	\$1.25
White Curled. The most attractive in appearance, very crisp.....	.05	.15	.40	1.25
Giant Fringed. Has a large white heart.....	.10	.20	.60	2.00
Broad-Leaved Batavian. (Escarolle.) Broad, thick leaves.....	.05	.15	.40	1.25

Kale or Borecole

Sow seed very early in the Spring, $\frac{1}{2}$ inch deep in rows 18 to 24 inches apart. Thin the plants until they are from 6 to 8 inches apart in the row. The main sowing is made in June for the fall, when Kale is at its best. Frost improves the quality. One ounce will sow a row 150 feet long.



DWARF GREEN CURLED SCOTCH KALE

Dwarf Green Curled Scotch. Largely grown for supplying "greens" during fall and winter, is used like spinach; also useful in garnishing. Leaves rich bright green color. The plants are very dwarfed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Dwarf Siberian. Rather coarsely curled leaves, but very tender and of delicate flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



WHITE CURLED ENDIVE

Kohl-Rabi

Sow seeds $\frac{1}{2}$ inch deep and later thin plants to 4 to 6 inches. One ounce of seed will sow 300 feet of row. Four pounds to an acre.

Early White Vienna. A singular variety of Cabbage with a Turnip-like bulb which forms immediately above the ground; flavor of both Turnip and Cabbage. Should be in every garden. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Early Purple Vienna. The outside color is purple; flesh white and delicate. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

C. L. Schlott, Louisville, O.—"I found your seeds all O. K. Will be back next season."

Lettuce

To grow head Lettuce early, sow the seed shallow in February or March in boxes, flats, or in hotbeds in rows. When an inch high, transplant to cold frames. From there set out in the garden as soon as the soil is warm, placing the plants 5 or 7 inches apart in rows while the rows should be 12 to 18 inches apart. Where there is no hotbed, sow seed outside when ground is warm and transplant outside. For loose-leaf or curly-leaved sorts, sow the seed either broadcast or in rows; make sowings every couple weeks for lettuce all summer, and cut as it comes. By sowing in rows the plants can be cultivated. Sow seed the last of August and in September to be transplanted to the cold frame in October. One ounce will sow 300 feet of row; 4 to 5 lbs. for an acre.

Our Leaflet "Lettuce Culture for the Home and Market" sent free if asked for.

Cabbage or Heading Sorts



ALL-HEART LETTUCE

New York

Immense Heads as Solid as a Cabbage. Blanches Beautifully. Crisp, Tender and Free From Bitterness

Produces immense heads, often 15 and 16 in. across, and weighing enormously. The interior is beautifully blanched, creamy-white, crisp, tender and delicious, being absolutely free from any trace of bitterness. A very large, robust growing variety, rooting deeply, resisting hot, dry weather, very slow to run to seed and a sure header under most trying conditions. The outer color is of a distinct apple green. Introduced a number of years ago, and it has been extensively grown in almost all sections of the country and from whom we receive most gratifying reports. As a standard main summer crop, hot weather lettuce; in every way desirable; has no equal; is not recommended for forcing. (See engraving.) Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

May King. Extremely early variety, forming fine hard heads within a few weeks after planting. Medium sized, light green, with buttery but crisp heads. Has just a faint tint of brown on the head. We have had no end of praise from our friends and customers who have tried this variety. Essentially a spring sort, and does well all summer. Being of rapid growth, quick heading, it is especially recommended for home garden; is universally esteemed. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Denver Market. Handsome variety, forming tight conical heads. Leaves are very deeply savored, and even, outside leaves are tender and crisp. Color is light green. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Iceberg. Large-heading variety; crisp and brittle, color bright green, lightly tinged with brown on top of the head; leaves curled on the edges. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., \$1.50.

All-Heart

Introduced several years ago, this splendid variety of head-lettuce has continuously grown in the favor of both private and market gardeners who have grown it, and is the most reliable hard-heading lettuce ever introduced—far superior to all other varieties of cabbage-lettuce. It is adapted to both spring and summer use, as it withstands intense heat and forms magnificent large heads with leaves closely set, extremely solid heart, even before it is half grown. The color is a beautiful yellowish green, and the flavor is excellent, being rich and buttery. This is the very best Lettuce for the private garden. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Big Boston. This variety is very popular for outdoor culture, with big, compact, creamy, buttery heads, is in demand more than any other variety. For description see page 6. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

All Seasons. An excellent variety; does exceedingly well in hot, dry weather. It is medium large in size and of an attractive appearance, having large, broad leaves of a light-green color. The inner leaves are beautifully bleached a rich golden-yellow; extremely solid heads, never spotted nor brownish; sure heading, very slow to run to seed; tender and mild. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Crisp-As-Ice. A most beautiful, attractive Lettuce of the cabbage type. The heads are solid, of immense size when well grown, and so exceedingly crisp, tender and brittle as to fully warrant the name Crisp-As-Ice. Glossy leaves are thick, nicely crimped and curled; outside leaves are beautifully variegated with dark bronze and green. Heads when cut open, have a rich, creamy yellow heart. A superior family and home market lettuce. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.



MAY KING LETTUCE

Improved Hanson Lettuce

The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which, curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. It matters not whether grown to head in the early spring or in the hottest days of summer, the leaves are always crisp and tender. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50 postpaid.

Salamander. It is decidedly a butter-head variety, strictly cabbage-heading, large to medium in size, maturing in about 70 days, and standing well before shooting to seed. The color is light green, never spotted or brownish in any part; quality excellent and highly recommended for both private and market-gardens, being of a very sweet flavor, a sure and reliable header, an excellent shipper and good seller. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Lettuce---Curled or Loose Leaf Sorts

Grand Rapids Lettuce

(Special Strain)

Probably the best of the loose-leaved varieties. Never forms a head, but produces an abundant crop of pale green leaves, slightly but closely crumpled, which, even when old, retain their characteristic tenderness and brittle character. For description see page 6. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50 postpaid.

Black Seeded Simpson. Bunching variety, forming no definite head. Has large mass of fine brittle leaves of a light-green attractive color. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Early Curled Simpson. Loose-bunching sort, forming no definite head. Crisp, tender; light-green in color. Very hardy, easy to grow for home, garden or market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Prize Head. Very popular for the home garden. One of the very best loose-bunching or non-heading varieties. Leaves brown, very curly, of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. Is probably the most easily grown lettuce in cultivation. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

George Richardson, Trumbull Co., O.—“Last Spring I got some seeds of you, and I must say that they were all that you claim for them, I was well satisfied. The Sweet Corn was splendid.”

The Morse. Large, loose-bunching non-heading variety, forming a large bunch of leaves which are very crisp. Fine flavor. Color is light green, very attractive. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Albert Pearce, Summit Co., O.—“Find enclosed photo of my prize-winning garden, also list of prizes won at the Beacon Journal Victory Garden contest; to this add \$97.50 won at our County Fair, all from your seeds. You may depend on my patronage for 1920.”

Dutch Speckled Butter. Solid heads of leaves are dotted with brown. Very hardy, large size; white, tender, crisp, of good flavor. Adapted to culture in cold frames in winter; also suitable for forcing or for open air culture. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Deacon. Large cabbage variety, having thick, bright-green leaves; forms a large, buttery head; very bright golden-yellow inside. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

California Cream Butter. Very popular variety for autumn and winter use. Forms a large head, which is very buttery, of a rich golden-yellow inside. Leaves are thick, bright green, slightly tinged with brown on top of head, the outer leaves are slightly spotted with inconspicuous brown spots. Easy to grow, good shipping variety. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Margaret B. Smith, Guy Mills, Pa.—“Having tested the seeds I ordered, find them all fine and so I have decided to place another order.”

Cos or Celery Lettuce, Romaine

The Cos Lettuce or Salad Romaine is of distinct upright growth and esteemed for its fresh crispness and mild flavor. It is grown in the northern states during the late spring and early summer; throughout the Gulf Coast States it is grown for use during the cool early spring months.

Paris White Cos. The growth is erect, about ten inches in height, the outer leaves being well folded toward the center. The interior leaves are blanched to a snowy white; very crisp and mild. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Chas. D. Camp, Ontario Co., N. Y.—“Enclosed find my order for 40 pounds of Big Boston Lettuce and 6 pounds of Golden Self Blanching Celery. You may ship as soon as convenient. I was well pleased with the Seed I purchased from you last year.”

Leeks

Closely related to the onion, being milder flavor and not forming bulbs. Instead, the plants have flat leaves which form long, fleshy stalks. Excellent for soup and salads. Sow in the early spring, and when three or four inches tall, thin out to stand four inches apart in the row. With a slight protection, they can be left in the ground all Winter. One ounce will sow 150 feet of row; 4 pounds for an acre.

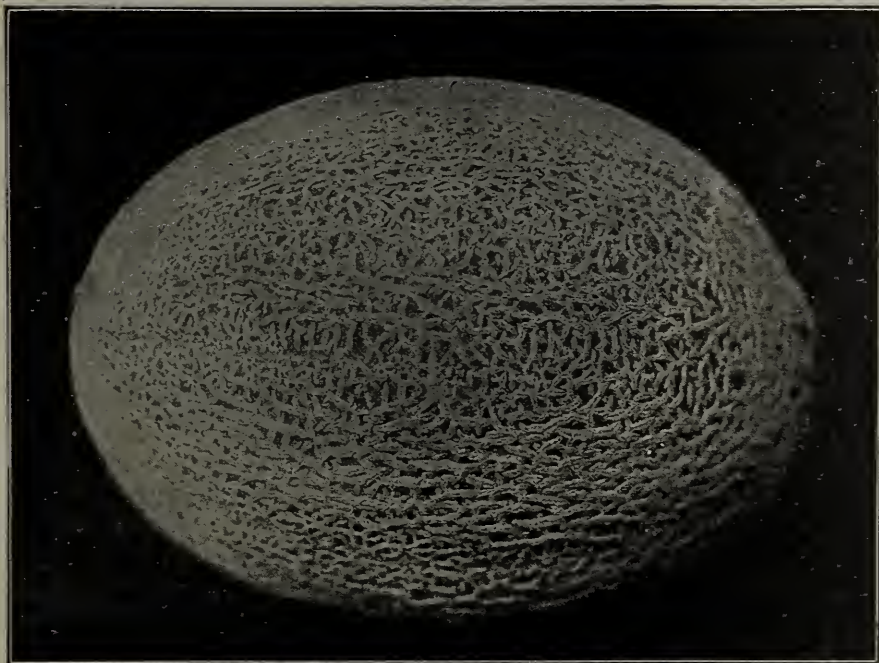
Large American Flag of Broad London. This is a strong-growing variety, producing large, thick stems of mild flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.50.



LARGE AMERICAN FLAG LEEK

Muskmelon

Plant seed in hills 4 to 6 ft. apart each way, after danger of frost is over. Use well-rotted manure in the hills. Insert seeds just under surface of soil; thin out, leaving only four plants to a hill. A light, warm soil is best, but there are varieties adapted to heavy loams, if well drained. In hoeing draw the soil well up to the plants. Fight bugs with tobacco dust, arsenate of lead or Bug Death. One ounce to 60 hills; two to three pounds to an acre.



DELICIOUS GOLD-LINED ROCKY FORD

Rocky Ford or Netted Gem. The variety that has made Colorado famous for its luscious Rocky Ford melons. The skin, green, turning to a peculiar gray color when the melon is fit for shipping. The flesh, green in color, and so sweet and luscious that it may be eaten close to the rind. The melon should have a small seed-cavity, and the portion of the flesh immediately surrounding it be slightly tinged with yellow. The melon should weigh about one and a half pounds and be very solid and firm. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Jenny Lind. The earliest of the green-fleshed sorts, one of the sweetest. It is round or flattened at the ends, and small, being from 3 to 5 in. in diameter. The vines are very prolific. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Ohio Sugar. The flesh is an attractive green, sugary, juicy, tender, entirely free from any stringiness. Handsome and uniform shape; sweet and luscious clear to the rind. Has become a popular market and home-garden melon. Produces good melons on all soils. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Orange-fleshed Sorts

Hoodoo. There is no better melon than Hoodoo. Excels in uniform size, closeness of netting, roundness of form, tough rind, blight resistance. Flesh is of fine grain; sweetest flavor. More round than Rocky Ford, a fine feature in packing for shipment. The flesh is of deep orange color and extremely thick, there being only a small seed cavity. Netting is heavy and close; melon solid, heavy, and firm at the blossom end. A wonderfully prolific melon, which nearly always produces a fine quality melon quite early in the season. Originator's stock. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

John F. Garman, Summit Co., Ohio.—"I have grown your Garland Tomato this, the second season, with excellent results. We have a patch of them that would make a good photograph for advertising purposes. Would be pleased to show them to you. People who saw them last year, and this year, say they never saw anything to beat them."

Delicious Gold-lined
Rocky Ford

Sweetest; Most Delicious

This early green-flesh melon has proven all we claimed for it. Its popularity has increased and our sales have far exceeded our expectations. We have carefully inspected every strain and type of Rocky Ford Canteloupe, and we believe this to be the very best type for all purposes, that there is in existence. It is an ideal crate melon, fruits all being uniform throughout the fields, and loss from undersize and oversize is very small, and its quality can not be excelled. Medium size, solid net, gold-lined next to a small seed cavity, excellent quality, vines hardy, thrifty and rust-resistant. Our seed is made up of the highest class of selected fruits. A wonderfully prolific yielder, producing its melons 10 days to 2 weeks earlier than the Rocky Ford. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25 postpaid.

Extra-Early Hackensack. The fruits are very early ripening, medium to large-sized, nearly round, evenly and deeply ribbed and with very coarse netting. Skin is green, slightly tinged with yellow as the fruits mature. Flesh is green, juicy, sweet. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Honey Dew Melon

The fruits are of medium size, round or slightly oval, with smooth, very firm light-green thin rind, measuring five to six inches in diameter by seven to eight inches long. The light-green flesh is thick and sweet, resembling a well-ripened banana. To have the melon in best condition we suggest gathering as soon as they slip from the vine, and store in a cool place for two or three days before serving, as they apparently are at their best when a trifle over-ripe. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Remember, there's an entirely new and delicious flavor in Honey Dew Melon, different from every other melon.

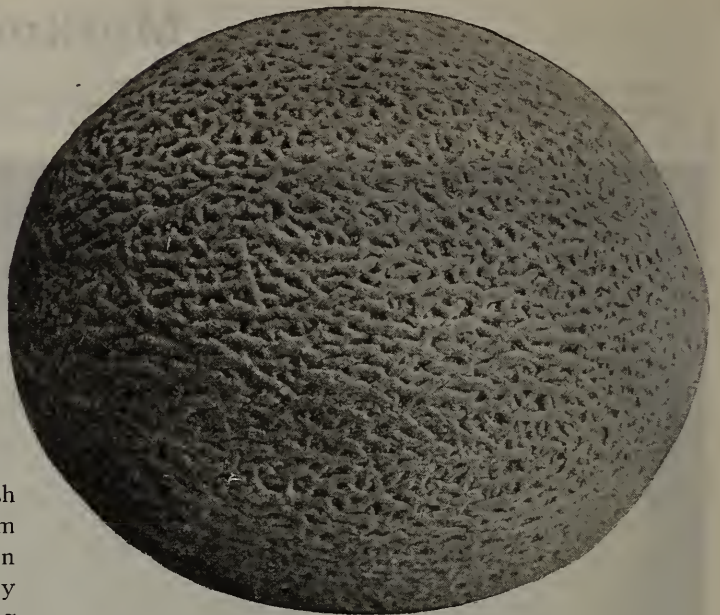
Tip-Top. Fine, nearly round in shape, and always sells quickly in the markets. Sweet, juicy, delicious. Flesh is orange color, firm but not hard, is edible almost to the rind. Medium to large size, evenly ribbed, moderately netted; a strong grower, heavy yielder, of handsome appearance. This melon has been grown for a number of years by market-gardeners around Rochester, N. Y., also Columbus, Ohio, and has proven superior in every way. Its appearance on the market-stall is very attractive, and it sells on sight. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Salmon Tint Pollock No. 25

The Pollock No. 25 has a variegated colored flesh and not wholly salmon. That is, part of flesh is green and part salmon color. When cut open, it makes a very attractive melon, pleasing to the eye, is of rich luscious flavor, deep flesh, and in great demand. Vines rust-resisting and stand up well and produce crop on suitable soil, properly cultivated. Our grower in Colorado has grown up with the cantaloupe industry, having been intimately associated with all the best growers, and he knows a good melon when he sees it, and therefore his stock seed is A-1 selected from choice stock. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Burrell's Gem. Fine thick, orange colored flesh of rich spicy flavor, fine grained. This melon differs from most of the melons grown in the Rocky Ford district, in that it is distinctly ribbed and is not netted as heavily as other strains, the small space between the ribs being free from netting. It is a great favorite in some markets; oblong in form, about 5 to 6 inches long. They hold up well in long distance shipping. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Fordhook. One of the best home-garden melons; of small size, globe-shaped, flattened at the ends. Roughly netted, while the skin showing through the netting is emerald green. The flesh is rich salmon in color, very solid and of delicious flavor. The rind is extremely thin and the seed cavity unusually small. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



SALMON TINT POLLOCK No. 25

Emerald Gem. Early, prolific. Ribs are marked, but the skin is smooth, of a deep emerald-green; flesh is thick and firm, ripening almost to the rind, richest flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Paul Rose or Petoskey. The thickest fleshed yellow or salmon-colored muskmelon, of delightful flavor. Good shipper, a fine melon for market purposes. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



MILLER'S CREAM, OR OSAGE MUSKMELON

Miller's Cream or Osage. We have a most excellent strain of this popular variety. A field of our strain of Osage is a sight well worth the time and expense of any grower to see. This has been one of the most popular varieties for certain sections, and while it has been on the market a great many years, it still retains its popularity. The melon as selected today differs from the original type in having more netting. Very prolific, fair size, egg-shaped fruits, slight silver netting, thick orange flesh, fine grained and of spicy flavor; one of the best medium-sized melons for home growing and market gardeners' use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Banana. Skin is long cucumber shape; flesh orange; delicious flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Watermelons

Watermelons do best on light, well-drained soils, but some varieties are adapted to heavy loams. The hills should be 8 to 10 feet apart; plant 1 inch deep, 8 to 10 seeds to each hill, using well-rotted manure. Later thin plants to 2 to each hill. Plant soon as ground is warm. One ounce of seed will plant 30 hills; 3 to 4 pounds to the acre.



COLE'S EARLY

Cole's Early A Splendid Melon for the North

This is a fine Watermelon for family use and home market. Melons seldom over 12 inches long and 9 inches in diameter, but what they lack in size they more than make up in number and quality. Rind green, striped a lighter shade. Flesh bright red, crisp, delicate texture, juicy and sparkling. In flavor it is lusciously sweet and refreshing. Very early and can be grown successfully. It will mature large crops in the Northern States. Seeds black. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. Postpaid 5 lbs. \$2.50, 10 lbs. \$4.50.

Harris' Earliest

Fruits exceptionally large for so early a variety, slightly oval, with irregular mottled, broad striped of light and dark green; flesh bright red, sweet and tender; seed black. The vines are vigorous and productive. One of the best varieties for northern latitudes. We are convinced that it is the very best first-early melon for the home garden. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. Postpaid 5 lbs. \$2.50, 10 lbs. \$4.50.

Kleckley Sweets. Sweetest of all Watermelons. Skin is too tender for fruits to be shipped, is most desirable to plant for home use or nearby markets. Fruits are oblong in shape, dark green skin, thin rind, flesh scarlet, with broad solid heart, the white seeds are placed close to the rind. Flesh most crisp, sugary, and melting. Melon ripens quite early. We consider it a most desirable variety for the home garden. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. Postpaid 5 lbs. \$2.50, 10 lbs. \$4.50.

Halbert Honey. A fine watermelon for the home garden and for local markets. Halbert Honey is superb, luscious flavor with dark, rich colored skin. Vines are of strong, vigorous growth and set fruits very freely. The melons average 18 to 20 in. long and are full or bluntly rounded at both ends. The skin is a dark glossy green. The flesh is crimson and extends to the thin rind. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Mustard

The seed leaves are used for salad; when older, they are boiled for greens. One ounce will sow 75 feet of drill.

Giant Southern Curled. A favorite in the South, where it is sown in the fall for spring salad. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts.

White London. Generally used while young in salads and garnishing. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Okra or Gumbo

Sow seeds when ground is warm, one inch deep, a few inches apart, in rows 3 to 5 feet apart. Thin plants to 18 to 24 inches apart. Until plants are almost grown, cultivate frequently and not very deeply. Pick young pods every day to keep plants bearing. One ounce of seed to 100 feet of row; eight lbs. to an acre.

White Velvet. White pods; smooth and velvety in appearance. Lady finger. Long, slender pods. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Dwarf Green Prolific. Short, thick pods. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Perkins' Mammoth. Fine strain; very long pods. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Tom Watson.

Most popular of all shipping melons. A long, dark, mottled-green melon, which at times grows exceptionally large, at the same time one of the most prolific melons in cultivation. A most excellent shipper for long distances, although the rind is thin. Flesh is of most superb quality and deep red in color and is of a good flavor. Heart large with no sign of core. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts. Postpaid 5 lbs. \$2.25, 10 lbs. \$4.00.

Striped Gypsy or Georgia Rattlesnake.

Oblong, dark and striped; bright red flesh; sweet flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Dixie.

Early; productive and of fine shipping quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Phinney's Early.

Early and of fine quality; large, solid, red flesh. Oblong. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Sweetheart.

An early oval-shaped melon, light green mottled, with thick tough rind. Flesh light red, solid, of fine quality and flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Early Fordhook.

Extra early; large, nearly round, skin tough; flesh red and very sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Peerless or Ice Cream.

Fruit medium size, oval, bright green, finely veined. Flesh bright scarlet, crisp, tender and sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Florida Favorite.

Large oblong; flesh deep red, sweet and tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Kolb's Gem.

Fruit nearly round, rind dark green, somewhat marbled with lighter shades. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

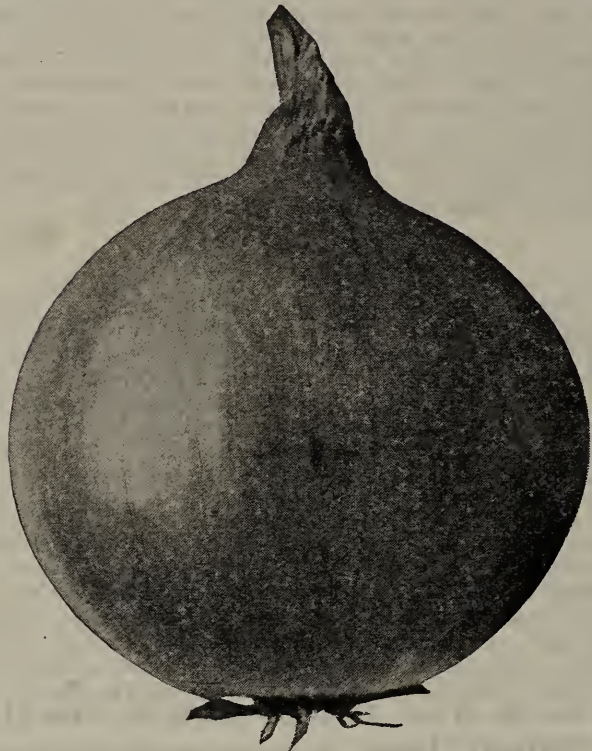
Colorado Preserving Citron.

Excellent for making preserves. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Onion

HOW TO GROW GOOD ONIONS: For dry (fall) bulbs, select a clean, rich, well drained and well-manured piece of land, prepare a perfect seed-bed, and sow seed in early spring in drills 15 in. or so apart. Use wheel hoe and weeders freely, and thin plants to stand at least 2 in. apart in the rows. Pull when tops begin to die down, cure and sell, or store in a cool, dry place. **FOR SETS,** select clean, sandy soil of medium fertility, prepare it well in early spring, and at once sow seed in drills a foot apart, using 40 to 60 lbs. of seed to the acre. Gather the sets when ripe, cure and store in a dry airy place. They may be wintered in a slightly frozen condition, but must be protected from repeated freezing and thawing. In early spring following, plant them in shallow drills, 12 in. apart and about 2 in. apart in the drills.

By sowing seed of the Spanish type, such as the Ailsa Craig, Prize Taker, under glass in January, February or even March, and transplanting, in April to open ground, 3 to 4 in. apart in the rows, bulbs of immense size may be produced. One ounce for 100 feet of row; four to five pounds for one acre.



YELLOW GLOBE DANVERS ONION

Southport Yellow Globe. This strain of Globe Onion produces onions with a brownish-yellow skin, fine-grained white flesh. Has been selected to the slim or slender neck which makes it earlier and sure ripening of the bulbs. Tops die early and uniform. The onions average from 2 to 2½ in. in diameter. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.

Southport White Globe. A true globe-shaped, the onions are 2 to 2½ in. in diameter, with a thin, delicate skin of purest whiteness, fine-grained, of a mild flavor. We firmly believe there is no better strain than ours. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$3.00.

Southport Red Globe. Handsomest of all red Onions, large and most perfect Globe shape, the onions are 2 to 3 in. in diameter. Remarkably uniform in size and form, are thin necked, ripening down to a solid ball. Its long keeping qualities make it an excellent shipping onion. A vigorous grower and a heavy cropper, very hardy. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

Ailsa Craig Mammoth. We offer a very fine strain of this popular Onion, which on account of its ENORMOUS SIZE, is in great demand amongst exhibitors of vegetables. It is a good keeper, and is much liked and recommended on account of its acceptable, delicate, and pungent flavor. It is an excellent keeper for a large onion. Has attractive pale straw color. To secure the largest onions, seed should be sown in hotbed in the early spring and transplanted later to the open ground. 384 first prizes during the past few seasons. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.75.

Yellow Globe Danvers

Heavy Yielder and an Excellent Keeper

Handsome bright even yellow color, large in size, EARLY and heavy cropper, very thick bulbs, slight depression from top to bottom, is a perfect sphere. Our Yellow Globe Danvers are selected to a high standard of perfection. When at maturity the tops disappear, leaving the bulbs with small neck, clean and solid. We have supplied onion growers with thousands of pounds of this seed. Why grow ordinary Onions when you can procure new 1919 crop seed from this wonderful strain of Onions at the following SPECIAL PRICES: Pkt. 10 cts., oz. 20 cts., ¼ lb. 75 cts., lb. \$1.75 postpaid.

"Holco" Ohio Yellow Globe. Heavy and solid, enormous yielders, keeping qualities unsurpassed. For description see page 7. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.



SOUTHPORT YELLOW GLOBE ONION

Prize-Taker (American Grown). The king of all Yellow Globe Onions. A bright, clear straw-color, always grows a perfect globe. A very small neck and ripens up hard and fine, flesh is pure white, fine grained, mild, delicate flavor. Of immense size, measuring from 12 to 16 in. in circumference. In market it never fails to attract attention on account of its beauty, and sure to bring a far better price than other onions. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.

Robert Rand, Minnesota, Oct. 24th, 1919.—"We harvested the largest crop of onions this year from your Yellow Globe Danvers Seed. The onions were large and the finest we ever grew. In the hot-bed the seed germinated 96%. We will plant 65 acres next spring. Send your catalog."

PLEASE NOTICE.—If you want larger quantities of Onion Seeds, write us for special prices, stating quantities wanted.

White Portugal (Or Silverskin)

Bulbs grow to a good size, ripening early, somewhat flattened shape. Flesh is mild and sweet, the thin skin is silvery white. One of the best for slicing or boiling, also pickling. When seed is sown at the rate of 25 lbs. per acre it makes bulbs of suitable size and most desirable for pickling. Largely planted for producing white sets for early spring and late fall planting. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Extra Early Barletta. A small flat, pure white onion, running from 1 to $1\frac{1}{2}$ in. in diameter and should be left to grow quite thickly in the row. These are mainly planted to produce small onions for pickling. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Large Red Wethersfield. A very popular variety for winter markets in northern states. In color the skin is deep rich purplish red, flesh white, lightly tinged with pinkish rose. Onion weighing 1 lb. from seed is not uncommon. Our strain Large Red Wethersfield has a small neck, is entirely free from scallions or thick necks. Well flattened, solid and thick, of remarkably mild flavor for a dark onion. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

D. N. Bower, Carroll Co., O. The Large Red Wethersfield Onion Seed that you sent me last year was fine.

Improved Yellow Globe Onion

Our choice improved strain of Yellow Globe Onion Seed, by which we mean seed grown from most carefully selected and picked onions. Our customers know that Seed raised from such onion, is decidedly superior to the great mass of Seed to be found on the market.

As this is one of the most profitable market garden crops, needing a considerable outlay, too much care cannot be exercised in selecting the Stock Seed, the largest crop can only be obtained from planting most carefully selected Seed. A few dollars an acre invested in Seed of extra quality is many times made up in the crop raised from them.

This onion matures early; as the outside skin is somewhat tougher than the Danvers it is more profitable for a shipping variety. It is a heavy grower, producing more crop than Danvers and is less likely to blight. We can recommend this strain to most critical growers. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.25.

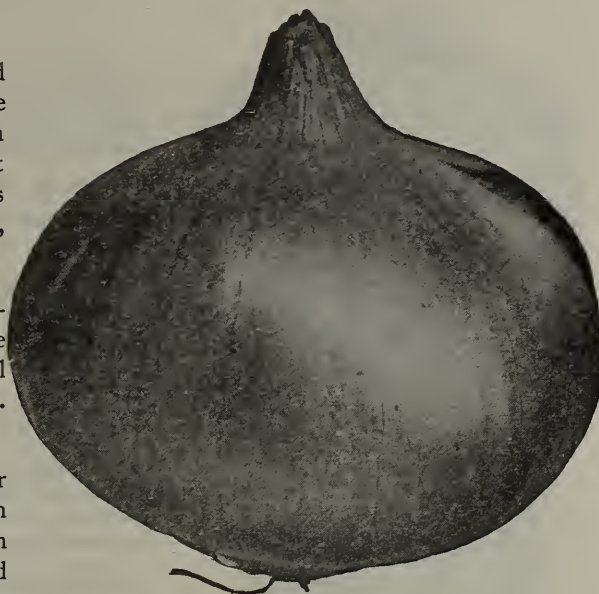
Onion Sets

We are prepared to furnish the choicest stock and spare no pains to produce them from thoroughbred seed and to keep them true to name. One pound will plant 40 feet of row; eight bushels to an acre. Onion Sets are subject to market changes. Before buying write for lowest prices.

Yellow Globe Sets. Per lb. 25 cts., postpaid. Write for prices on larger quantities.

White Sets. Per lb. 35 cts., postpaid. Write for prices on larger quantities.

Mrs. C. T. Bailey, Trumbull Co., O.—“We were well pleased with the Onion Sets you sent us, as they were every one good and all came up.”



RED WETHERSFIELD ONION
Sure Cropper and Heavy Yielder

John C. Hoover, Atwater, O.—“The seed and Yellow Globe Onion sets I received from you last year were very satisfactory.”

Egyptian or Perennial Tree Sets. A perfectly hardy perennial onion, throwing up stalks every spring. It produces sets or small bulbs at the summit of the stalk and the root also divides. They are planted in August and September for scallions. Ready in August. Per lb. 25 cts., postpaid. Write for prices on larger quantities.

Onion Sets in quantities are by freight or express at purchaser's expense for transportation.

Parsley

Sow the seeds as early in the Spring as the ground can be prepared, in a row dropping them to space thinly. Cover from one-eighth inch deep, and allow eighteen inches to two feet between the rows. Parsley seed is very slow to germinate and often a month will elapse before seedlings appear. Thin out the plants, when large enough, to stand six inches to a foot apart. By protecting with boards or boxes. Plants will grow until severe cold weather. One ounce to 150 feet of row; three pounds to an acre.

Champion Moss Curled. Compact growing, densely curled sort. Owing to its dark green color, it is popular with market gardeners; very useful for garnishing. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Plain. Excellent for seasoning. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Double Curled. Compact; very curly and finely cut; bright green. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Hamburg Turnip—Rooted. Edible Roots are long, rather early, and in appearance much like a parsnip. The foliage is the same as that of the common parsley. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

GUERNSEY
PARSNIP

Parsnip

Sow as early in the spring as the weather will permit, in drills 18 in. apart and $\frac{1}{2}$ in. deep, in a rich, deep soil; thin out 3 in. apart in the rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. Secure enough in pits or cellars in the fall for immediate needs. One ounce for 200 feet of row; five to six pounds for an acre.

Long, Smooth Hollow Crown. Roots about 15 in. long with a diameter at the top of $2\frac{1}{2}$ to 3 in. Skin white, smooth, very productive, but requiring a deep soil. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Guernsey. Handsome, white, thick root which is shorter than the Long Smooth Hollow Crown. Clean skin, very fine, grooved neck. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Pumpkins

Pumpkins will grow almost anywhere, but thrive in rich soil. Many pumpkins are exceptionally good for pies; other sorts are fit only for feeding live-stock. Plant in hills 8 to 10 feet apart using 8 to 10 seeds to a hill. Plant seed one inch deep. Later thin to 2 or 3 plants to a hill. One ounce for 200 feet of row. $\frac{1}{4}$ lb. for 75 hills. 3 to 4 lb. to an acre.

Mammoth Golden Cashaw. Also known as CROOKNECK. One of the widely popular varieties. Two ft. long, light colored. Flesh yellow, solid, sweet; excellent for pies. Has little interior cavity, being almost solid flesh. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Green Striped Cashaw. An improved strain of the old Cashaw. Beautiful in appearance; a distinct, mottled green, white-striped. Fruit solid; averages 15 to 25 lbs.; flesh yellow, fine grained, sweet and excellent for pies. Sells well on the market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Japanese Pie. High quality Pumpkin of Japanese origin. Flesh is very thick, a rich salmon color, fine grained, dry and sweet. Seed cavity small. Of medium size, early, very productive and a good keeper. Highly desirable as a pie or cooking pumpkin. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

King of the Mammoths. Fruits grow to enormous size, sometimes reaching 2 ft. or more in diameter and from 100 to 200 lbs. in weight. Salmon-orange skin; very thick, bright yellow flesh, which is fine grained, tender, of excellent quality for pies. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Small Sugar. Small size, averaging about 10 in. in diameter; of excellent keeping qualities, flattened or slightly ribbed. Skin deep orange-yellow, flesh very sweet and tender. One of the best for pies. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Large Cheese or Kentucky Field

Makes good pies; rich stock food. A large, round, flattened pumpkin, with broad ribs. Often attains a diameter of two feet. Color, creamy buff. The flesh is yellow. Fine grain, a large sort and does well amongst corn. Fine for pies or canning; rich food for stock. Heavy yielder. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Connecticut Field or Common Yellow

A large, oval-shaped Pumpkin. Skin reddish orange color, with rich, orange-yellow, tender flesh. Extensively grown for stock-feeding, and generally planted with corn, producing enormous crops. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts., 10 lbs. \$7.50.



KING OF THE MAMMOTH PUMPKIN

Albert Saurer, Ashland, O.—"Your seeds are good size packets. Was well pleased."

Mrs. F. C. Damman, Trumbull Co., O.—"All the seeds I received from you are doing fine. I never had a better garden."

Peas

This being a leguminous crop, is important to give it a place in the garden of the home gardener as well as commercial grower.

The pea should be planted very early in the Spring, and if dwarf sorts are used for the first plantings we should have them for the table, in most sections of the north not later than June 15th. The smooth dwarf sorts are highly satisfactory. Peas may be had during most of the summer and they should be grown much more largely for canning and drying. They require a fairly rich soil and the taller sorts should be well supported to secure maximum yields. Two pounds to 100 feet of row, 100 pounds to an acre.

Leaflet—"The Vegetable Garden," furnished with order when asked for.

Extra-Early Smooth Peas

Alaska. Also called "Earliest of All." The most extensively used Smooth Pea. Popular with early market gardeners owing to its abundance of pods and uniform maturity. Foliage is of a peculiar light green tinge, vines growing 20 to 30 inches. Pods $2\frac{1}{2}$ in. long, straight, round, well filled. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 5 lbs. \$1.25 postpaid; 10 lbs. or more, at 22 cts. lb.

"Holco" Market Gardener Extra Early A Large-Podded Extra Early

This superb strain is the result of most careful expert work of selection and reselection continued through a long series of years. It excels in purity of stock and freedom from sports all other extra-early peas ever offered in this or any other country. Equally as early as Alaska, the peas are much better in flavor. The vines are quite slender, of very quick growth, and average eighteen to twenty-four inches in height. The pods are well filled, and the entire crop can be gathered in one picking. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 5 lbs. \$1.50 postpaid; 10 lbs. or more, at 27 cts. lb.

Extra-Early Wrinkled Peas

Premium Gem or Improved Little Gem. Early, prolific, uniform in growth and productiveness, bearing pods single on both sides of the stalk, beginning near the ground. The peas, wrinkled, are of good quality. Pods $2\frac{1}{2}$ in. long, nearly straight, round, well-filled to the end. Height of vine 18 inches. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.75 postpaid; 10 lbs. or more, at 30 cts. lb.



"HOLCO" MARKET GARDENER
EXTRA EARLY PEAS

Little Marvel. A dwarf, first-early wrinkled Pea of unusual value, but recently on the market. The demand among market-gardeners for this variety is already enormous. Height of vine 15 inches. The pods 3 inches in length, frequently borne in pairs. The pods contain 6 or 7 large, dark-green peas, which remain in good eatable shape a week later than most other varieties. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75 postpaid; 10 lbs. or more, at 45 cts. lb.

Nott's Excelsior. Very heavy yielder. Peas wrinkled, height of vine 14 in. Is more uniform, productive and earlier than others, is far more desirable. This pea is used in large quantities and is very popular. Pods $2\frac{3}{4}$ in. long, straight, round. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid; 10 lbs. or more, at 40 cts. lb.

American Wonder. Vigorous, productive, with dark foliage, having the peculiarity of producing leaves on one side of the stalk. Very popular with private and market gardeners. Peas wrinkled, height of vine 12 in. Pods $2\frac{1}{2}$ in. long, round, crowded to the end. Height of vine 18 inches. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid; 10 lbs. or more, at 40 cts. lb.

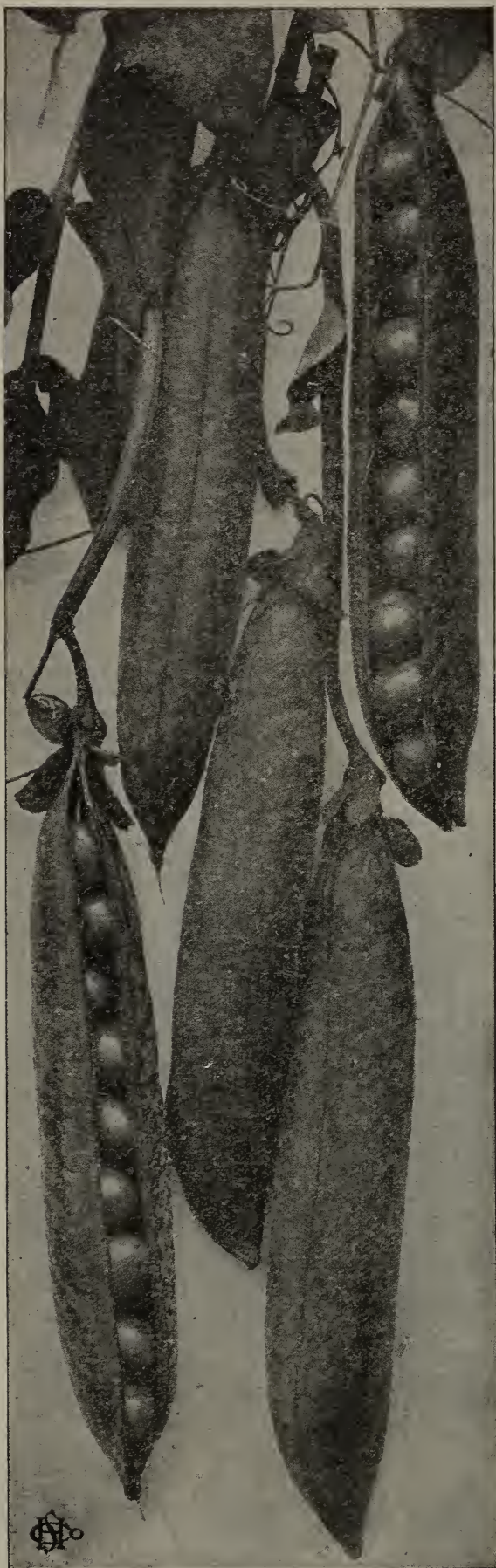
Sutton's Excelsior. This is probably the finest dwarf wrinkled Pea in cultivation and especially for private and market gardeners, bearing large, broad pods filled with large peas. Very tender, of most delicious flavor. In the front rank for earliness, with much larger and handsomer pods than any other variety in this class yet introduced. Height of vine 18 inches. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25 postpaid; 10 lbs. or more, at 38 cts. lb.



THOMAS LAXTON PEAS

See Page 38

Ten pound prices do not include transportation



LAXTONIAN PEA

J. J. Hoffman, Trumbull Co., O.—“I have received seeds from you for two years, and have been very well pleased with them.”

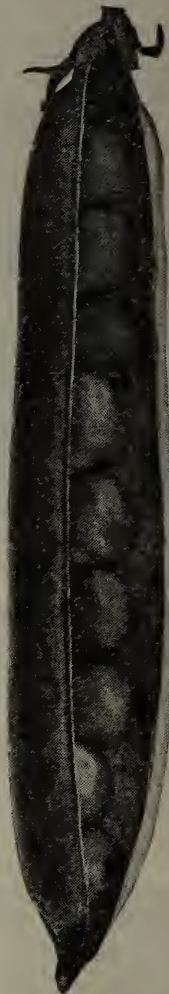
Laxtonian—The Best First-Early Dwarf Wrinkled Pea

Bears long, handsome pods fully as large and early as Gradus, while the vines require no staking. Is unequaled for extreme earliness, superb quality, and productiveness. The dwarf vigorous vines average fifteen inches in height and carry enormous crops of large, deep bluish-green pods. The handsome pointed pods, generally borne singly, measure 4 to 4½ in. long and are tightly packed with 8 to 10 extra large, deep bluish-green peas. These peas are not only large in size, but of most luscious flavor. The pods are ready to pick as early as Nott's Excelsior, while double the size; in fact, they average fully as large as Gradus! If sown thinly, say 4 in. between the seeds in the row, the produce will astound even experienced gardeners. Supply of seed is limited, crop very short. Pkt. 15 cts., ½ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50 postpaid.

Gradus. Here we have a large, early wrinkled Pea with a pod large as Telephone. This popular large-podded wrinkled pea of finest quality matures pods only two or three days later than the small-podded round-seeded extra-earlies. The vine has heavy stems with large light-green leaves, and grows three feet high. It produces uniformly large pods, measuring from four to four and a half inches in length, nearly round, and well filled with very large, handsome peas of the finest flavor. The peas remain tender and sweet for some time after they are large enough to use. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.

Thomas Laxton. Closely resembling but harder than Gradus, and a more abundant yielder than the famous Gradus—as a long-podded extreme-early wrinkled pea—and in some respects is even better! The growth is identical, but the pods are a deeper, richer green and square at the end. In the judgment of experts, Thos. Laxton is even sweeter and finer in flavor, while as the large peas are of a deeper green, they present a more attractive appearance. Four days later than Gradus. See illustration on page 37. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.

Pioneer Pea. Dwarf, dark-green, giant pod. This new, large podded Early Wrinkled Pea is in great favor with market gardeners in all sections. The handsome large pods, which are well filled with big peas of delicious flavor, make it a good seller on the market stall. The vines are extremely vigorous, growing only 15 to 18 inches high, with dark-green foliage, and produce a wonderful crop of pods. Pioneer is one of the earliest wrinkled peas, bearing its dark-green pods about the same time as Prosperity or Gradus, but a much heavier cropper and of quality equally as good. Pkt. 15 cts., ½ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50 postpaid, 10 lbs. or more at 55 cts. lb.



GRADUS PEA

Second-Early and Main-Crop Peas

Alderman. Has grown in the front rank of all the list of large podded, long-vined Peas and is today recognized as the best in its class by the most exclusive trade in America. Remarkably healthy, vigorous and productive. Vines medium dark-green and very luxuriant in appearance, growing 3 feet. Pods 5 to 5½ in. long, straight, rounded at the point, very dark green in color, well filled, delicious flavor. Pods retain their dark-green color long after picking, making them most desirable for market gardeners. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.

Telephone. One of the leading large-podded, wrinkled sorts. Pods 5 to 5½ in. long, broad, straight, pointed, well filled with large peas of delicious flavor. Pods dark green and retain their color long after picking. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.

Potlatch Pea

Extremely Prolific Superb Quality
Dark Green Pods

The magnificent dark green pods, borne in pairs, are 5 to 6 in. long, containing 8 to 10 large peas which are exceptionally rich in flavor. The pods are ready at the same time as Stratagem and they come absolutely true to type. One of our finest peas for garden and table use, excellent for private gardens. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., 1 lb. 50 cts., 5 lbs. \$2.25 postpaid, 10 lbs. or more at 38 cts. lb.

Bliss's Everbearing. Vines are closely jointed, growing 30 in., and frequently form many stalks from a single root stalk. Seeds wrinkled. Pods 3 in. long, broad, blunt, of fair size and light green in color. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.75 postpaid, 10 lbs. or more at 30 cts. lb.

Dwarf Champion. Robust, vigorous, uniform in growth, grows 24 in. Bears straight pods, 3 in. long, broad, blunt end, frequently in pairs, well filled. Seed wrinkled. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 30 cts. lb.

Stratagem. Vigorous habit, luxuriant foliage, a heavy cropper. Pods 4 in. long, straight, broad, finely shaped and rounded at the point. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., 1 lb. 50 cts., 5 lbs. \$2.25 postpaid, 10 lbs. or more at 38 cts. lb.

Carter's Daisy or Dwarf Telephone. Vines heavy, growing 20 in., with green foliage, season medium. Peas wrinkled. Pods $4\frac{1}{2}$ in. long, broad, straight, rounded at the point, pale green in color and well filled, containing 8 and 9 peas. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.

Champion of England. Much prized by those who are fond of large, tender, luscious Pea. Vigorous in growth, foliage medium green. Pods 3 in. long, blunt, medium, dark green in color, broad and nearly straight. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., 1 lb. 50 cts., 5 lbs. \$2.25 postpaid, 10 lbs. or more at 40 cts. lb.

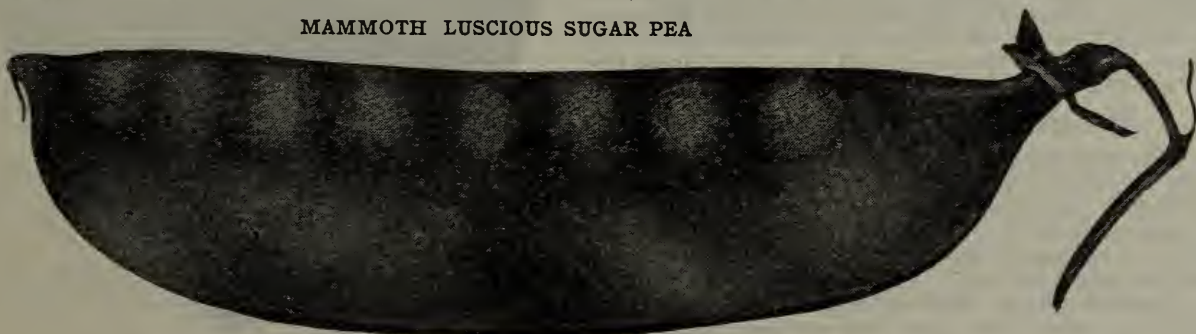
Sugar or Edible-Podded Peas

Mammoth Luscious Sugar

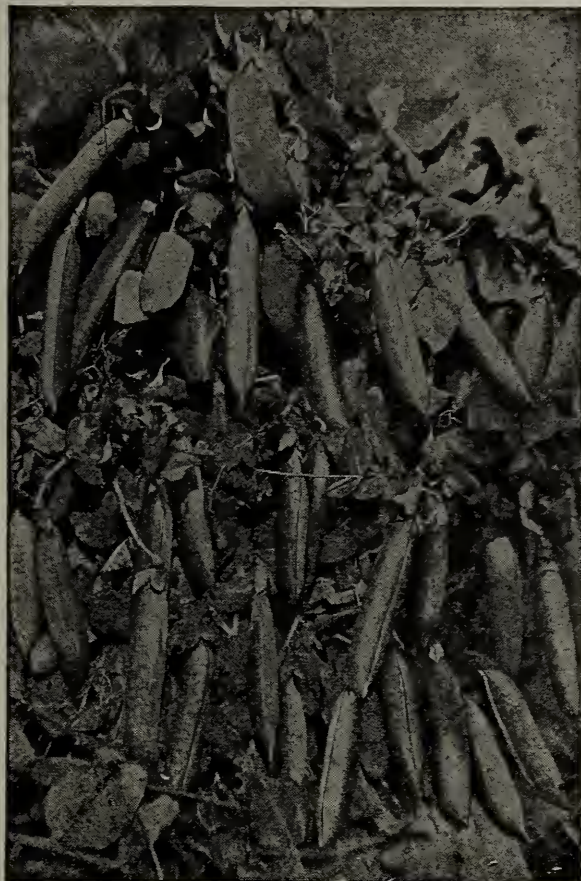
Excels in size and productiveness all edible-podded peas. The vines are most vigorous in growth, attaining a height of six feet, branching freely; when given sufficient support, they are a beautiful sight, covered with violet flowers and thick fleshy pods at different stages of growth. The pods are monster size, measuring 6 to 7 in. in length, by 1 to $1\frac{1}{2}$ in. in breadth. Being of delicious flavor, pods cooked like string-beans, and served, will make a dish that no one would care to pass up. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., 1 lb. 50 cts., 5 lbs. \$2.25 postpaid, 10 lbs. or more at 38 cts. lb.

J. Smith, Cumberland Co., Me.—"I had great success with the peas that I had from you last year."

MAMMOTH LUSCIOUS SUGAR PEA



Ten pound prices do not include transportation



POTLATCH PEA

Dwarf White Marrowfat. Vines tall, hardy, vigorous. Foliage light-green. Seed smooth, light cream yellow. Pods 3 in. long, blunt, of light-green color. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.50 postpaid, 10 lbs. or more at 25 cts. lb.

IMPORTANT NOTICE

Peas are the shortest crop in years. If you want peas in quantity, we will be pleased to have you write stating your wants. We will make you special prices.

Dwarf Grey Sugar. Edible-podded sort and used only in that way. Pods are broad, flat and crooked. Cook pods same as beans. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 45 cts., 5 lbs. \$2.00 postpaid, 10 lbs. or more at 35 cts. lb.

Melting Sugar. A standard edible-podded sort; vines tall. Pods cooked and used the same as wax beans. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., 1 lb. 50 cts., 5 lbs. \$2.25 postpaid, 10 lbs. or more at 38 cts. lb.

Pepper

Sow the seed in a hotbed or window-box, about March 1st; transplant to the open when all danger from frost is over. Set plants in rows 3 ft. apart, 18 in. in the row. One ounce of seed produces 1,200 plants.



GIANT CRIMSON PEPPER

A very mild-flavored Mango Pepper, suitable for stuffing, because of its size.

Pimento Pepper

Thickest Fleshed of All Peppers—The Solid Meat is Always Sweet

The fruits are rich crimson-scarlet in color, while the form is very distinct, being of regular conical shape, as shown in the illustration. The peppers measure from 2 to 2¼ inches across at the stem end and average from 3 to 3½ inches in length. The skin is perfectly smooth, without any ridges. The peppers are never hot in any part of the fruit, even the flesh around the seeds being sweet. The fruits are just the right size for stuffing for individual use. The plants are 2 to 2½ feet in height, branching freely, and produce a heavy crop. Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.50. Postpaid.

Giant Crimson

Sweetest and Largest Mango

Earliest maturing of the extremely large red, smooth, Sweet Peppers. Also known as "Ohio Crimson." Plant is vigorous and upright, growing 2½ to 3 ft. high, which is taller than the Chinese Giant and more productive, very large size, ripen earlier than any of the other very large sorts and average heavier, as the flesh is exceptionally thick. Color, deep crimson when matured; flavor very mild. Pkt. 10 cts., oz. 60 cts., ¼ lb. \$1.75, lb. \$6.00.

Chinese Giant. Stocky plant with light green foliage and blunt fruit, squared at the ends, measuring 4 inches or more at the top and about as long; of a brilliant glossy red color when ripe. Flesh very thick and sweet, containing few seeds. Pkt. 10 cts., oz. 60 cts., ¼ lb. \$1.75, lb. \$6.00.

Holmes' Prolific Sweet

The Wonder Among New Early Peppers

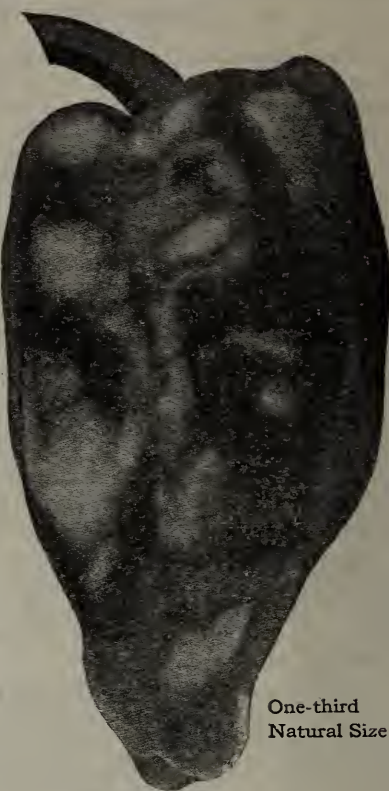
Large, mild, early red Pepper. This wonderful Pepper originated with Mr. Geo. Houser, of Pennsylvania, a well-known market gardener. The strong, vigorous plants grow 2 ft. high, are completely laden with large, handsome fruits, bear continuously until frost. Plants average from 15 to 20 well developed Peppers. Flesh is bright red; thick meated, sweet and very mild. They carry well and keep in condition a long time. Pkt. 15 cts., oz. 75 cts., ¼ lb. \$1.75.

Ruby King. Is the most popular large red Pepper. Plants grow 2 ft. high and bear a fine crop of handsome, extra-large scarlet fruits, 5 inches long and 3 inches thick. The flesh is sweet, fine for mangoes. Pkt. 10 cts., oz. 40 cts., ¼ lb. \$1.10, lb. \$4.00.

Large Bell or Bull Nose. Plant is compact, early and productive. Fruit bright-red in color, mild, of large size, and has thick flesh containing few seeds. Excellent for stuffing. A good bearer. Pkt. 10 cts., oz. 40 cts., ¼ lb. \$1.10, lb. \$4.00.

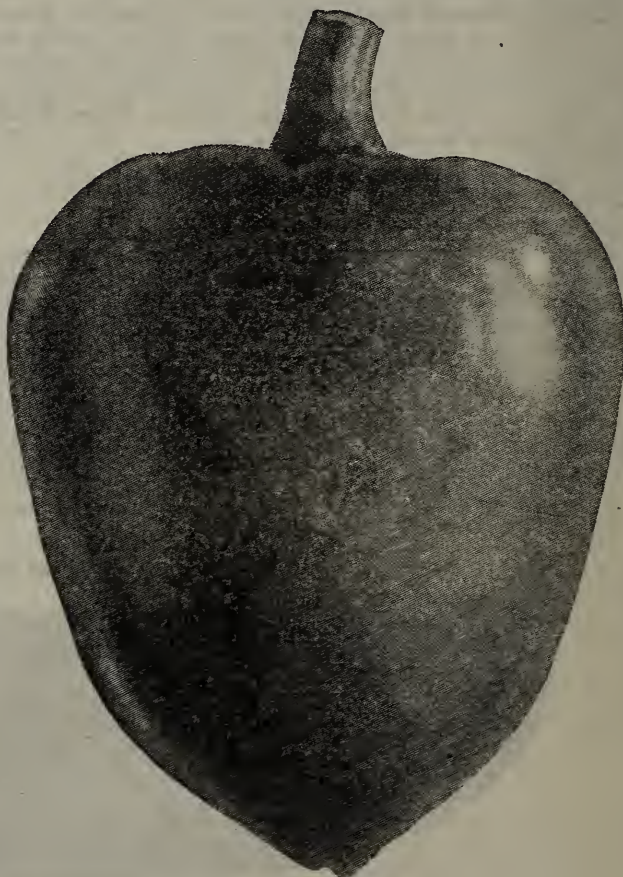
Golden Dawn. Similar to the Large Bell or Bull Nose, excepting that it is golden yellow, and very sweet. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.

Long Red Cayenne. Are 3 to 4 in. long; bright red. The flesh is very sharp. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.



One-third
Natural Size

HOLMES' PROLIFIC SWEET PEPPER



PIMENTO PEPPER

Radishes

Thrive best in light sandy loam. For early use, sow in the hotbed, in Feb., giving plenty of ventilation, or outside in the garden, in drills, as soon as the soil is warm and dry. Cover the seed about $\frac{1}{2}$ inch deep. Radishes can be sown any time from March till Sept. They must grow rapidly to be crisp, mild flavored and tender. One ounce of seed will plant 100 feet of row; ten to twelve lbs. for an acre. Our Radish Seed is strictly of the finest grade, being grown from carefully selected and transplanted roots.



ROYAL RED FORCING RADISH
Earliest Red for Under Glass or Outdoor

Crimson Giant

Should have been named the "Ever Ready." Impossible to imagine a market-gardener even attempting to do without this splendid Radish. Within a few days as early as the extra-early varieties, and has the important characteristic of never becoming pithy, no matter how large it is allowed to grow. Grows up to about four times the size and weight of any of the turnip varieties, and the flesh remains remarkably sweet and brittle throughout. It has a splendid color, being deep crimson, which makes it absolutely the most attractive Radish for the dealer. While it has a tendency to vary in shape, we are prepared to give our customers a very fine and uniform strain of this most excellent Radish, good either for forcing or for open ground. For open-ground culture it has the particular quality of withstanding droughts to a remarkable degree. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 10 lbs. \$10.00.

Non Plus Ultra or Early Deep Scarlet Turnip, Forcing. This variety has a small top and is early in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other early variety. They are small, globular, smooth, very deep red in color; flesh is white, crisp, tender and mild in flavor. May be planted very closely, owing to their small top. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

French Breakfast. Color bright carmine with clear white in the lower portion. Very tender and mild. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Scarlet Turnip. Extra early sort, with smooth, round, richly-colored roots. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Clarence E. Palmer, Hudson, O.—"I sent in an order last year for seeds and was much pleased with them. They all grew fine and I want to get my seeds of you again this year."

Royal Red Forcing—Earliest Red

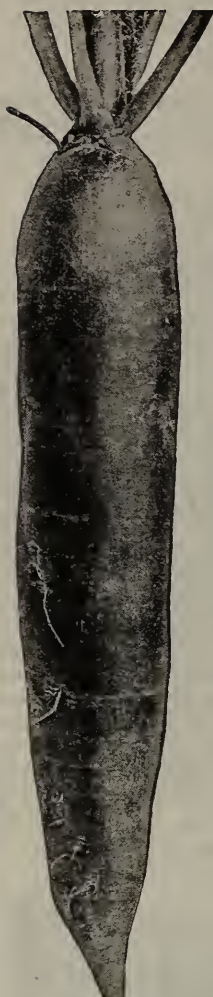
For under glass and outside we have invariably found Royal Red Forcing to reach a marketable size several days earlier than any other variety. The Radishes are perfectly round, three-quarter inch to one inch in diameter. The roots are round or ball shaped rather than turnip shaped. The color is bright deep scarlet with no trace of purple in it. Flesh firm white crisp and mild. Leaves very short and small and only three or four when the radishes are ready for market. Because of its small top, quick maturity and handsome color we consider this the best forcing radish and can recommend it for the open ground. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb., 45 cts., lb. \$1.50, 10 lbs. \$13.50.

Early Scarlet Globe. For greenhouse or hotbed forcing and for out-of-doors. Very early, mild, crisp and tender; one of the most attractive, best-selling Radishes. Very handsome, rich, bright scarlet, thoroughly sound, fine quality, a great favorite; it resists heat without becoming pithy, is ready in 25 days. This sort is not desirable for hot summer planting, as it loses its shape—it is an early Radish and as such gives entire satisfaction. We know our Scarlet Globe Radish is right. Scarlet Globe Radish should be planted in every garden for market as well as for home use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00, 10 lbs. \$8.50, 25 lbs. \$20.00.



SPARKLER RADISH

Sparkler. A scarlet turnip, white-tipped. Is extremely quick to mature, ready in 20 days from the time of sowing the seed. It is invaluable for forcing under glass, as well as for growth in the open air. The skin is very smooth, its clear color gives it an appetizing appearance on the table. Market-gardeners find it a quick-selling sort, satisfactory in the private or home garden. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

CINCINNATI
MARKET RADISH

The demand has largely increased for our selected strain. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Cincinnati Market. This radish originated in the vicinity of Cincinnati, Ohio, with the "Glass Gardeners" there, and has been constantly used by them. The tops are so small that the Radishes may stand touching each other in the rows. The Cincinnati Market Radish grows perfectly straight and smooth, 6 to 7 in. in length. Skin scarlet, very thin, flesh crisp, brittle, of delightful flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00, 10 lbs. \$8.50.

Improved Chartiers. Excellent for the home garden. Bright scarlet on the upper part and pure white long tips, the handsomest long red Radish on the market, the best seller; 25 days after planting it is usually ready for the table. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00, 10 lbs. \$8.50.

White Chinese or Celestial. Never has a winter Radish won so much favor. The true stock of this variety is stump-rooted, and although a winter radish, can also be grown in late summer; flesh is firm, solid and pure white; keeps all winter in prime condition; is of mild flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Long Black Spanish. Root cylindrical, from 7 to 10 in. long and 2 to 3 in. in dia.; skin very black, somewhat wrinkled; flesh white, firm, compact; keeps well. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00

Icicle Radish

Finest Long White

Finest and longest of the very early, pure white varieties; ready for use in 20 to 25 days. This Radish is not only crisp and tender when young, but retains these qualities until the roots attain large size, so that it will remain in fine condition longer than any other first-early variety. Is excellently adapted for forcing purposes or successive sowings in the open ground. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25, 10 lbs. \$10.00.

Early White Tipped Scarlet Turnip.

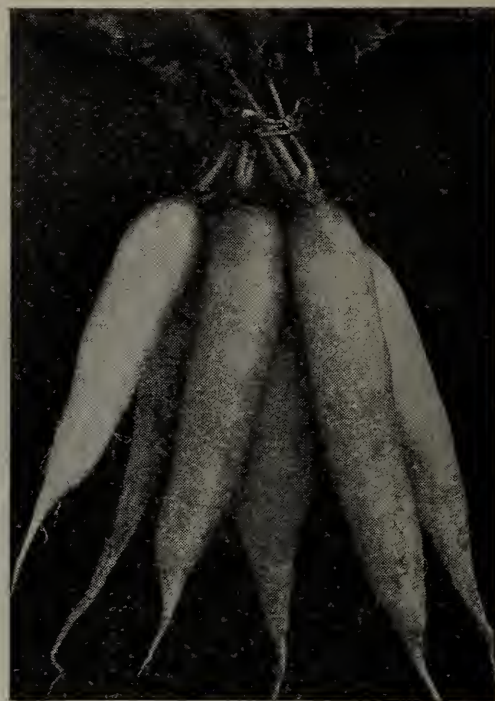
For outdoor sowing this is the most important sort on the market—thousands of pounds being annually used. Our stock of this is the best. Handsome bright scarlet color with white tip. Its fine appearance attracts customers, and its quality always pleases. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00, 10 lbs., \$8.50.

"Holco" Earliest Round White. An extremely early butter Radish, clear white with very small foliage; earlier than other small forcing sorts, splendid to plant under glass during the winter months for market. "Holco" Earliest Round White is very crisp, tender, juicy and mild in flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Pearl Forcing. A beautiful pearly white, long variety. It is firm and solid, and remains in shape for some weeks before becoming woody or showing any sign of going to seed. A first-class Radish we can recommend for all purposes. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Long White Vienna, or Lady Finger. An extremely popular sort for years, one of the very best and finest of the long white Radishes. Graceful in form, flavor is sweet and mild, with brittle flesh. An especial favorite with many market-gardeners.

White Strasburg. White Radish of large size, good quality, and ability to resist severe heat. We recommend White Strasburg for summer planting. Will grow solid, with good flavor, when others fail. Popular with market-gardeners. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



ICICLE RADISH

Mixed Radishes

Radishes of all colors—red, pink and white, round, oblong, half-long and long; and from the earliest to the very latest varieties. Just what is wanted for the home garden where the space is limited. One sowing is all that is required for the whole season. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Early Long Scarlet Short-Top

The long, slender, colored roots are most attractive in appearance. They are ready in about 25 days; crisp, brittle, of choicest quality. They reach a length of 5 to 6 in., growing half out of the ground. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00, 10 lbs. \$8.50.

Winter Radishes

China Rose. A radish of large size, blunt at both ends. Skin is a bright scarlet and the flesh is pure white, firm, crisp and pungent. May be sown up to August, thicker than any other winter radishes. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Round Black Spanish. Root rounded or top shaped from 3 to 4 in. in dia.; skin very black; flesh white, of firm texture and very pungent. Keeps a long time. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

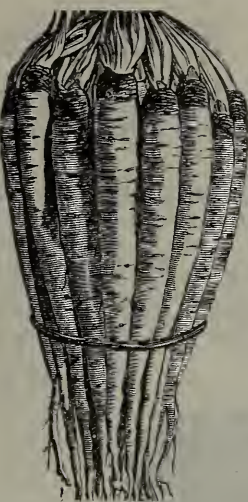
Rhubarb or Pie Plant

Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the spring, in rows 1 ft. apart; the second year after planting plants can be removed in autumn to the permanent place in the garden allotted to them. Plant the roots 3 to 4 feet apart each way, at least 2 ft. deep. One ounce of seed produces 500 plants; 3½ lb. to an acre.

Victoria. Large, tender, the finest cooking sorts. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.00.

Rhubarb Roots

Ready from October to May 15. 15 cts. ea., 4 roots for 50 cts., 12 for \$1.25 postpaid.



SALSIFY

Salsify or Vegetable Oyster

Treat about the same as carrot, except that Salsify is hardier, may be left in the ground all winter. Sow in rows 1 to 2 ft. apart, and thin to 4 in. in the row. Cover seed about 1 in. Sow in early spring. One ounce to 100 feet of row, eight to ten pounds to the acre.

Mammoth Sandwich Island. Roots much heavier than the old Long White. Is white in color, and a satisfactory sort in every way. Invaluable to market-gardeners. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.

Spinach

Good rich soil is important to Spinach, both for its growth and in making the leaves more tender and succulent. Sow the seed in early spring in rows 12 inches apart; cover it an inch deep. Many broadcast the seed, covering with a harrow or rake. Make a sowing every two weeks for continuous crops. Do not sow seed in dry weather; it will never come up. It must have a moist soil. Sow in September for fall and early spring crops. Use straw or "strawy" manure when really cold weather comes. Nitrate of soda is splendid to give rapid growth to Spinach. One ounce will plant a row 100 feet long; 10 pounds to the acre when drilled, 15 to 25 pounds broadcast.

Norfolk Savoy-Leaved (Bloomsdale)

It is a very early variety and one of the best to plant in autumn for early spring use. The plant is of upright growth, with thick, glossy, dark green leaves of medium size, pointed but quite broad, and crumpled or blistered like those of Savoy cabbage. It is hardy and grows rapidly to a suitable size for use, but runs to seed quickly in warm weather. This spinach is suitable for the home garden and is much used by southern truckers. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts., 10 lbs. \$5.00.



IMPROVED THICK-LEAVED SPINACH

Improved Thick-Leaved. One of largest and best sorts for spring and fall sowing and to winter over for spring crop. Leaves are broad, hug the ground closely, are slightly crumpled, attractive in color. Plant is large and produces a big crop. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts., 10 lbs. \$5.00.

Long Season. Is low growing plant. This Spinach withstands hot weather longer than other kinds. The plant is small, but does not wilt or run to seed as quickly as other sorts. The leaves are thick, tender and fine when cooked. Color a beautiful dark green. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts., 10 lbs. \$5.50.

Victoria. A handsome variety of exceedingly dark green, broad thick leaves, and has very long-standing qualities. Unexcelled for spring or fall sowing. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts., 10 lbs. \$5.00.

Long Standing. For spring planting. Leaves large, thick, fleshy and crumpled. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts., 10 lbs. \$5.00.

Prickly Winter. For late planting or very cool locations, an excellent variety. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is an enormous yielder, growing upright. One sowing can be picked from the entire summer. A very distinct variety. Soak seed in water twenty-four hours, before planting. Pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

W. N. Enos, Ontario Co., N. Y.—"My order was most satisfactorily filled and received. We are more than pleased with the prompt manner in which you fill orders. Have recommended you to a number of our friends and neighbors, many of whom are now your patrons. Yours as a satisfied customer."

Squashes

Culture same as for melons. Make the ground very rich. A good sandy loam is best. The squashes are all tender, and the seed should not be planted until warm weather. Allow 4 x 4 ft. for the hills of the Bush Squashes, and 8 x 8 ft. for the running varieties. Four plants to the hill; 3 to 4 lbs. of seed to the acre. For summer Squashes estimate 4 oz. to 100 hills; for winter Squashes 8 oz. to 100 hills; one ounce for 100 feet row.



GIANT SUMMER CROCKNECK SQUASH

Giant Summer Crookneck. One of the best of all summer Squashes. Of dwarf, bushy habit, very productive. Skin is yellow. Flesh has a deep golden yellow color, is dry and of most agreeable flavor. This is, in fact, most highly esteemed of all the summer varieties. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Earliest White Bush. Bush or pattypan Squashes are earlier than any other summer variety. Skin is white and tender when ready for use. Of dwarf, bushy habit, quite hardy, very productive. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Italian Vegetable Marrow

(Cocozella di Napoli)

The vines are of bush habit and produce large, much elongated fruits, dark green at first but as they mature becoming marbled with yellow and lighter green in stripes. The fruits are in best condition for the table when six or eight inches long, but can be used when somewhat larger. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Autumn and Winter Varieties

Improved Hubbard

The illustration is a very accurate representation of our Improved or Green Hubbard. Our stock of this variety, which has so long been the leading squash for late fall and winter use, is carefully selected in regard to quality of the flesh and color of the shell and we have found it much superior to that sold as Chicago Wartyed or Warty Hubbard. Fruits are large and heavy, are moderately wartyed and have a very hard shell. Skin is uniformly dark bronze-green. Flesh is bright orange-yellow, fine grained, thick, dry and richly flavored. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.



IMPROVED HUBBARD SQUASH

Red or Golden Hubbard. Has the shape and virtues of the Hubbard, but earlier and more productive. Color of the skin deep yellow or orange-red. Flesh richer in color than Hubbard, of equal quality. Fine grained and sweet. Cooks dry, a splendid keeper. Desirable market sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Delicious. The squashes, weighing from 5 to 10 lbs., vary both in color and form but are very delicious in

flavor, excellent winter keepers. Flesh is dark orange, very thick and fine grained. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.75.

Fordhook. Flesh is very dry and sweet. One of the best of the late summer varieties. The outside color is bright yellow; inside color, straw-yellow. The skin is so thin that it need not be removed for cooking. The meat is thick and can be used at any stage of growth. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Tobacco

Sow seed as soon as danger of frost is over; use wood ashes on seed bed. Pulverize soil of seed bed thoroughly. When plants are 6 in high transplant into hills 4 or 5 ft. apart each way, and cultivate frequently. An ounce of seed produces sufficient plants for an acre.

Connecticut Seed Leaf. Grown in all sections of the U. S. and extensively in Connecticut. Broad leaf of medium length. Suitable for cigar fillers. Pkt. 5 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Improved White Burley. The Western favorite, superior to the old variety of Burley. Makes better color; commands higher prices. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Havana. The leaf is very thin and is of fine texture. The variety is much used for cigar wrappers. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$5.00.

Tomato

Sow the seed in February or March in a hotbed, greenhouse or in shallow boxes in the house, in rows 4 to 6 inches apart, one inch deep. When plants are about 2 inches high, transplant to shallow boxes 4 inches apart each way. Transplant in the open ground after all danger of frost is past, 3 to 4 feet apart each way. Cultivate frequently. Train the plants to stakes or other supports. Remove all side branches at the axil of the leaves as soon as they appear. Do not remove flower clusters. When plant has reached a height of 5 feet, cut off the top. When three or four clusters of fruit have formed and some of the fruit is as large as a silver dollar, prune the leaves at the base one-half. This hastens ripening. Once a month apply sheep manure around each plant. One ounce of seed will produce 3,500 plants, enough for an acre. 35 to 40 plants for 100 feet of row.



Holmes' Everbearing Tomato

The Earliest, Largest, Most Prolific and Meatiest
Red Tomato Grown

Wonderfully prolific new Tomato. Illustration is from a photograph of one stem bearing 17 fine, large fruits, and weighing 7¾ lbs. Clusters average 15 fine, large red or scarlet Tomatoes, and the beauty of it is, that all run about the same size, absolutely free from the acidic taste so common in most varieties. Seed-cavities are exceedingly small, we believe it to be the meatiest Tomato grown. This Tomato combines all the good qualities of each parent—earliness of the Earliana, size from Ponderosa. When cut by the frost there is still plenty of green fruit on them. Originator's own stock. Pkt. 20 cts., ¼ oz. (about 2000 seeds) 50 cts., oz. \$1.50.

Benj. Manning, New Jersey. — "The Holmes Everbearing Tomato is the BEST I ever saw."

Garland Tomato (See Page 7.)

John Baer. An invaluable sort for market-gardener's use. Very hardy and exceptionally productive. Fruits are the largest of the extra early sorts and are also most attractive in color. They are nearly round, smooth, firm and of excellent quality. It is one of the very earliest to ripen its first fruits and it continues to furnish marketable fruits much longer than other very early varieties. An invaluable sort for market gardeners' use. Our seed is grown from originator's stock. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.

HOLMES' EVERBEARING TOMATOES

Fred W. Gardner, Mahoning Co., O. — "The Garland Tomato cannot be duplicated. Some of my plants have as many as 46 to 50 tomatoes on them, all nice, round and smooth as can be, with hardly a crack in them and none of them rotten. They are a fine red in color, thick-meated, hardly any seeds in them at all. I cleaned three this evening and did not get over one teaspoonful of seeds."

Bonny Best. Fruits deep scarlet, ripening to stem, are always smooth, of remarkably uniform size and shape. An elegant sort for market and shipping on account of its even size. Well adapted for forcing under glass. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.

Spark's Earliana. The earliest red tomato. The vines are compact in growth, with short close-jointed branches, very productive. Fruit fair size and firm. Ripened fruit in 108 days from date of sowing seed. Pkt. 5 cts., oz. 40 cts., ¼ lb. \$1.10, lb. \$4.00.

Chalk's Early Jewel. Second or medium early sort. Later than Earliana. Vines vigorous, productive. Fruit solid, without hard core. Color bright scarlet. A sort having great merit. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.

Early Detroit. Vines vigorous, productive; fruit round or nearly globe shaped, firm, purplish-pink in color. Ripens with Chalk's Early Jewel, a splendid second early variety. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.

June Pink. An extra early pink variety. Fruits run uniform in shape and size, almost round, borne in clusters, flesh, solid and fine. Pkt. 10 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$4.50.

Acme. Vine hardy and productive. Fruit in clusters of 4 or 5, round, smooth, pink purple and of good size; flesh solid, excellent flavor, no better variety for market gardeners who want an early purple fruited sort. Pkt. 5 cts., oz. 40 cts., ¼ lb. \$1.10, lb. \$4.00.



SPARK'S EARLIANA TOMATOES

If you want a Tomato that will produce quality try "Garland."

Livingston's Globe

Second-early Tomato, and is becoming one of the main varieties grown by the leading Tomato-growers because it has never shown any tendency to blight. In shape it is a beautiful globe, which permits a greater number of slices to be made. Always smooth, firm-fleshed and has very few seeds; ripens evenly. Color a fine glossy pink, tinged with purple. Bears fruit in clusters of from 3 to 7; the plants are literally loaded with beautiful Tomatoes. Of special value to all shippers. Valuable variety for forcing under glass. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50 postpaid.

Colossal. Has all the qualities that made the Ponderosa famous. Is just a scarlet Ponderosa, has the same size, solidity of flesh, a rich flavor. It bears enormous crops, a mass of fruits which grow in great clusters, bears right up to frost. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.50 postpaid.

Beauty. Vines large, vigorous, heavy bearers; fruit large, uniform in size, very smooth, excellent flavor, color purplish-pink. The best purple sort. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Miss Mary Herschberger, Sugar Creek, O.—"The seed I got last year did just fine. Am getting fine results from your tomato seed."



MATCHLESS TOMATOES

Matchless

Skin is so tough that it is a splendid keeper and shipper, is less liable to crack in wet weather than any other large Tomato. Fruit, bright red, is free from core, seed-spaces are small. Leaves are of a rich dark green, very luxuriant, indicating great vigor, giving the plant ability to produce fruit of the largest size throughout the entire season. We can highly recommend it to all our friends, especially to those who are running market-gardens. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Dwarf Champion or Tree Tomato. Has a stiff, vigorous, upright growth; the fruit is always round, smooth, symmetrical; color purplish pink; size medium. A good shipper. Plants may be set 3 ft. apart in rows 4 ft. apart. One of the earliest, most profitable Tomatoes grown. The dark green, wrinkled leaves bespeak a strong type. One of the best of the so-called Tree Tomatoes. A valuable home or market sort. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Red Rock. Ripens with Stone. Fruit scarlet, round, large, smooth, coloring evenly to stem. Flesh firm, fine flavor. Good producer and shipper. A variety of great merit. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.



LIVINGSTON'S GLOBE TOMATO

Ponderosa

Introduced many years ago, in all that time no Tomato has ever surpassed the genuine Ponderosa in size or delicious meaty flavor. Largest, heaviest Tomato grown. Color is purplish pink; shape quite regular considering its size. Fruit ripens early, bears well until very late. Good Tomato for home use. We offer the genuine headquarters stock. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Yellow Ponderosa. Equals the Ponderosa in size but bears rich golden yellow fruits. Golden Ponderosa possesses all qualities that made Red Ponderosa most talked of Tomato throughout the land. Originated as a sport from the Red Ponderosa, comes remarkably true. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Stone. Many gardeners and canners will have no other. A large variety, larger than several of the standard kinds cultivated. An immense cropper. Flesh solid, well colored and flavored. Ripens between the early and late varieties, grows vigorously, and no variety holds its size better late in the season. Color of skin, glossy, deep red. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Golden Queen. Bright yellow. Best large yellow Tomato; always smooth, ripens early; quality excellent in all respects, either for slicing or preserving. Queen of the yellows. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Pear-shaped Red. Bright red. Fruit small, pear-shaped, about size of plum. Ripens early. Used for pickling and preserving. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Pear-shaped Yellow. Bright yellow. A small early Tomato, similar to Pear-Shaped Red, except in color. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Strawberry, or Husk Tomato — Known as Ground Cherry. Plants of low-spreading growth and immensely productive. The small yellow fruits are each inclosed in a husk. Of very sweet flavor; highly esteemed for preserving or making pies. They are also excellent to eat raw as fruit. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Turnips

Sow early varieties in April, in drills 18 to 20 in. apart. Cover seed $\frac{1}{2}$ in. and thin out to 4 to 6 in. in the row. Cultivate frequently. For succession, sow at intervals until the last week in May. For fall and winter crop, sow in July or August, in drills or broadcast. One ounce to 200 feet of row; one and a half pounds to the acre in drills, or two and a half pounds broadcast.



PURPLE TOP STRAP LEAF TURNIP

L. L. Bond, Marion Co., Ia.—“The Garland Tomato is the best yet. I raised about 14 different varieties this season, and the Garland was easily the best of all. It was the most prolific and the fruits were uniformly smooth and even in size. Garlands for mine next year.”

Mrs. N. J. Noble, Trumbull Co., O.—“The seeds I had from you all did well. The Garland Tomatoes are the finest and nicest tomatoes I ever had. Great big fellows, smooth and with nice thick meat. I will plant them another year.”

Purple Top Strap Leaf

One of the best table and stock Turnips on the market, being fine-grained, never stringy and of mild flavor. Is white below, with a bright purple top; flesh white, leaves short, narrow and erect. Will mature in 8 or 9 weeks. Good cropper and an excellent keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Purple-Top White Globe. A large rapid-growing sort, with globe-shaped roots. Flesh pure white, and the best flavored; the skin is white, with a purple top. On account of its shape it will outyield any other sort. A strictly firstclass strain. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

White Globe. This great Turnip in rich ground will attain a weight of 12 pounds. Shape of root the same as Red or Purple-Top White Globe. Skin and flesh pure white; smooth, quick to mature. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Cow Horn. A long white Turnip. Grows to a large size, standing half out of the ground. Is fine-flavored, desirable. Cow Horn Turnip sown in connection with rape is one of the newly recommended things for green manuring purposes. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

White Egg. An early, oval or egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The tops are small with leaves distinctly cut. The flesh is clear white, firm, fine grained and sweet. The roots of this quick growing garden sort when in best condition for use are usually about 2 in. in diameter and about $3\frac{1}{2}$ in. long. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Large Amber Globe. One of the best yellow-fleshed varieties, grown usually for stock feeding. The roots are of large size and of globular shape. The skin is clear yellow except the top which is tinged with green. The flesh is light yellow, fine grained and sweet. The variety keeps well and is a good cropper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Ruta-bagas or Swede

Does best on new land, or light, sandy soil. Sow the seed from the latter part of June until August in drills 15 to 24 in. apart. Cover seed $\frac{1}{2}$ in., and thin out to 6 to 8 in. in the rows. Cultivate frequently. Can be sown broadcast. One ounce to 200 ft. of drill; $1\frac{1}{2}$ lbs. to the acre in drills, or $2\frac{1}{2}$ lbs. broadcast.

American Purple Top Yellow

The finest, most profitable of all the Swede Turnips, being the hardiest, heaviest, best shaped and most productive. The roots are better keepers than other sorts. The flesh is of a beautiful yellow; of the choicest quality, full of nourishment. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Herbs

Every kitchen garden should have a few Herbs. They are usually grown and are always pleasant and desirable for flavoring, perfuming and medicinal purposes. Sow in early spring, at the time when the trees begin to leaf, in ordinarily good and well-drained garden soil, in rows 12 to 24 in. apart. Cover seed lightly. Thin or transplant to stand 6 to 12 in. apart in the rows. Cultivate frequently. Herbs marked * are annual; marked ** are perennial.

	Pkt.	Oz.	$\frac{1}{4}$ lb.		Pkt.	Oz.	$\frac{1}{4}$ lb.
*Anise.....	\$0.10	\$0.25	\$0.75	**Lavender.....	\$0.10	\$0.35	\$1.00
**Caraway.....	.10	.30	.75	*Marjoram, Sweet—.....lb.	.10	.40	1.10
*Coriander.....	.10	.20	.60	**Sage.....lb.	.10	.40	1.10
Dill.....lb.	\$1.25	.05	.10	.35	*Summer Savory.....	.10	.50
**Fennel, Sweet.....	.10	.20	.50	**Thyme.....lb.	\$4.00	.10	.40
**Horehound.....	.10	.25	.75	**Winter Savory.....	.15		

Mr. Edward Hexamer, Stark Co., Ohio.—“I take pleasure in informing you that I have taken the Loving Cup for the best vegetables shown at the Auditorium last month. I used nothing but Holmes-Letherman Seeds in my garden and am certainly well pleased with the results.”

Northern Grown Seed Potatoes

All our potatoes are grown especially for us in the best seed producing sections of the north—the best selected seed stock obtainable.

Healthy and Vigorous Seed Makes Profitable Yields

To the growing and selection of seed potatoes we have given a great deal of time and attention, and feel sure we are in a position to properly advise our customers as to the best varieties to plant. We do not list or recommend a new variety until it has been field tested and the new strain demonstrated to our satisfaction that it will make a profitable yield, and is of superior quality.

By fair and honest dealing we expect to gain your patronage, and trust you will be able to profit by our experience in producing the best potatoes grown in your locality. Orders for seed potatoes received during the winter are filed in rotation as received and shipment made as early in the spring as they can be sent without danger of freezing in transit. Write for our current price list.

Early Varieties

Eureka Extra Early. An extremely early and quick maturing variety. A heavy cropper of big white potatoes. We can especially recommend this new variety as being one of the best of the new introductions. It seldom fails to produce the largest crop of extra early potatoes. The plant is dwarf and compact and very resistant to blight. Tubers are round, white and a fine cooker of unsurpassed quality. We have yet to hear of a single complaint as to this variety and advise a trial of the Eureka by every one who wants an extra early crop.



IMPROVED EARLY OHIO POTATOES

T. E. Geuipie, Mahoning Co., O., 1919.—“Last spring was not favorable for potatoes here, but had Eureka nine inches in circumference, in 60 days, and that is good enough for me.”

Early Rose. The good qualities of this potato will always make it a favorite for an early variety. For quality and size the Early Rose is hard to beat and we can supply the best of seed of this standard potato.

Biss Triumpn. Another standard early potato. This variety is the first to come on the market from the southern growers who only plant northern grown seed such as we have. The tuber is round, medium size, reddish pink color. Get our price list before ordering.

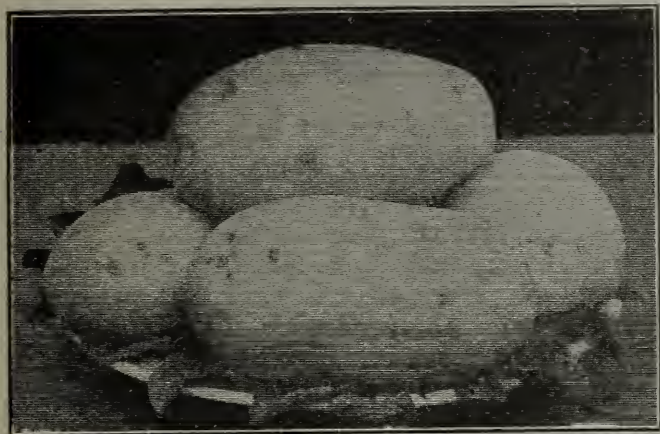
Early Six Weeks. Another very early and fine quality potato. This is one of the best early market varieties. For those wanting a strain for early home and market use we urge a planting of the Early Six Weeks. The tubers are medium to large in size and oval shape, reddish color with shallow eyes. A very good keeper. We advise early orders while our stock is complete if you desire this variety. Write for our price list on potatoes before ordering.

Irish Cobbler. The standard early potato in the great eastern trucking districts. No other potato has been such a favorite with the market gardeners supplying the New York and Philadelphia markets as has been the Irish Cobbler. Our customers in Ohio and surrounding states have also been more than pleased with this variety and we get orders year after year for our particular strain of this variety. The tuber is round and white, medium sized and of fine flavor, cooking up white and mealy. One of the best keepers of the early varieties. Genuine northern grown seed.

Improved Early Ohio. The old reliable Early Ohio. Not run out seed but clean pure stock of a high yielding strain. This variety can always be depended on in almost every locality, and is grown throughout the country where an early variety is desired. Tubers of light pink color and white flesh. Write for our potato price list before ordering.

Northern Grown Seed Potatoes

Our Seed Potatoes are always sold by weight. By a bushel we always mean 60 pounds, and a sack means $2\frac{1}{2}$ bushels or 150 pounds, net. Seed Potatoes 150 pounds, net, per sack.



IMPROVED GREEN MOUNTAIN POTATOES

Rural New Yorker. The standard late and main crop potato for all sections. Always a reliable variety for the main crop and a heavy yielder. Tubers are round and oval in size, skin white. One of the best and longest keepers. Pure Northern Grown Seed.

Carman No. 3. A round white potato of the Rural type and closely resembling it in yield and quality. The Carman is a heavy yielder and good table potato. We have clean pure stock all northern grown. Write for current price list.

Save Your Potato Crop

From Our Own Practical Experience in the Growing of Seed Potatoes

For Bugs—Use either Arsenate of Lead, Calcium or Arsenate of Zinc. One-two lbs. in 50 gal. water.

For Blight—The Bordeaux mixture is the only preventative if applied early and often. Follow directions.

For Bugs and Blight—We usually spray for both in one operation by adding the Arsenical Poison to the Bordeaux Mixture. Pyrox and Insecto are ready mixed, and very effective. Follow directions on container.

Flea Beetles—The small black bugs which eat small holes in the foliage. Can be controlled by spraying often with Bordeaux Mixture.

Leaf Hoppers.—For these small green aphids or plant lice we use "Black Leaf 40" mixed about one-third stronger than directions. Can be used separate or added to other spray solutions.

Success from spraying depends on spraying early, using plenty of material, and using a good pump which produces a fine mist spray.

Late or Main Crop Varieties

Improved Green Mountain. A splendid late potato that is hard to equal in any way. It is surpassing many of the old time varieties because of its yield and quality. We recommend it for home garden use where the best in baking and cooking quality is desired. A long white tuber, shallow eyes. A very heavy yielder. It is a splendid keeper. Write for our price list if you have not received same.

Holco Russets. For the grower who wants a new extra choice variety we can certainly recommend this potato which we are offering for the first time. It has given immense satisfaction in our tests so we feel safe in offering it to our customers. It is a round flat tuber with a russet skin and very shallow eyes. For baking this potato is extra fine. This variety is grown extensively on account of its heavy yield in the great northern potato growing sections and has out-yielded most others in this section. Be sure and include a few bushels of the Holco Russets in your order this spring. Price list gladly sent you on request.

Jersey Seed Sweet Potatoes

We can supply you from our grower in the great sweet potato belt the choicest and best of seed.

Red and Yellow Nansemonds, also Southern Yams. Write for price list on pound and hamper lots.

Choice Sweet Potato Plants

Ready About May 1

For the best, early extra fine strain of Jersey Sweet Potato Plants, let us fill your order for any quantity desired.

Doz. 15 cts., per 100, 75 cts., 1,000, \$5.00. If plants are to be sent Parcel Post, add postage.

Order Early

We do not hesitate to advise our customers to place their orders early as good seed stock will be sure to be higher at spring time, and those who order early while present stock is unsold will be sure to get choice stock and pure seed. Prices of Potatoes subject to change. Write for current price list before buying.

J. A. Haas, Portage Co., O.—"Received your seeds in fine condition, and would like at your earliest shipment 3 pks. of Improved Green Mountain Potatoes."

Ohio Grown Seed Corn

It Pays to Plant Tested and Acclimated Seed

As actual growers of seed corn, we are in a position to furnish you with seed corn that we know to be right in every particular. We know what our seed does on our own farms and that it is grown right, selected carefully, cured properly and graded as you would want it. The vitality of our seed corn is strong and vigorous, and you can depend upon our tests as being accurate and reliable. If you are in doubt as to the variety best suited to your needs, we want you to feel free to write us for further information and samples of kernels for inspection or test.

Reliable Northern Grown Varieties of Corn

Golden Glow Corn

Golden Glow. A PURE BRED CORN, the result of scientific corn breeding; a cross between two early high yielding strains. This variety has been one of the most popular strains of corn grown in the northwestern states, where an early maturing variety must be planted. It is a high yielder as well as an early ripener. At the Penn. Experiment Station, Golden Glow was one of the high yielding varieties which fully matured. Under average northern conditions this corn will mature in 90 days. When season is very favorable will easily ripen in 85 days. Stalks 8-10 ft. high, bearing good sized ears, 7-9 inches long, averaging 16-18 rows of kernels. As a hardy, vigorous variety, Golden Glow has no equal. Sample Ear 25 cts. postpaid. Write for our price list on Seed Corn.

Frank Cowell, Midland Co., Mich., 1919.—“The Golden Glow is the best corn for this vicinity as it is a heavy yielder as well as an early maturing variety.”

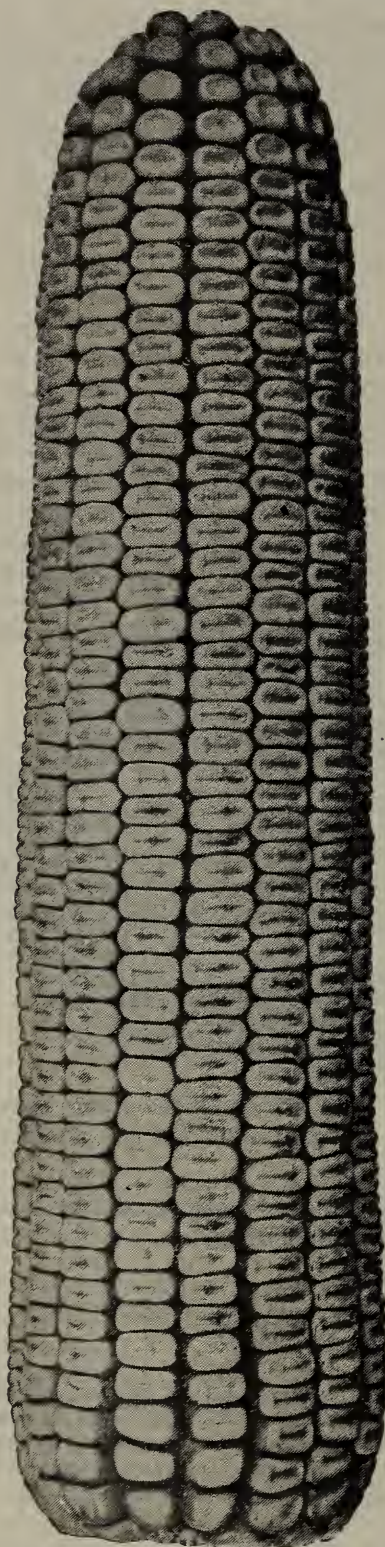
Pride of the North. A 100-day Yellow variety. Strong, hardy, vigorous grower; can be planted thickly and still make good-sized ears. Is excellent for ensilage or fodder. For husking crop it ripens early, dries out quickly and is an all-round, very satisfactory kind. It has a bright red cob, ears medium size, with deep kernels. Many of the stalks have two good ears. Sample ear 25 cts. postpaid. Write for prices.

White Cap Yellow Dent. Produces ears of corn that have a white appearance on the outside but the sides of the grains are yellow. The White Cap here offered, makes long ears. This is a marked characteristic of the variety. It does not need an extremely rich soil. It will even do comparatively well on soils counted as not fertile. The ears are not so thick, running from 14 to 20 rows of grains. The grains are of average depth. Matures in 100 days and earlier. Sample ear 25 cts. postpaid. Write for price list.

Silver King Corn. An early white variety of corn that has been under constant selection by corn breeders for over 45 years. On good soil this variety of corn will produce a higher percentage of good marketable ears than most any other variety. This variety is especially recommended for silage on account of its leafy stock and is grown in Southern Canada and northern states for this purpose, largely. The Penn. Experiment Station found it one of the few heavy yielding varieties tested. Grows from 9-12 feet depending on soil and moisture conditions; handsome big ears 8-9 inches long with 18-20 rows of medium sized kernels. County agents recommend it for Northern Ohio conditions. Sample ear 25 cts. postpaid. Write for our price list on Seed Corn.

Early Golden Surprise. A 100-110-day Yellow Dent Corn. Large, handsome ears. A heavy yielder. Entirely distinct. Stalks short and strong. Deep grained. Small Cob. A great feeding Corn. Beautiful in its rich golden color, even size from butt to tip of the ear. Profitable in its depth of grain and small percentage of waste in cob. Convenient in its short fodder growth and easy break of ear from the stalk. Certain in its early maturity, one of the best early Corns up to date. Sample ear 25 cts. postpaid. Write for our price list on Seed Corn.

Clarage. Originated in Ohio, some years ago, has been improved by selecting larger and longer ears. It is a heavy yielder and will ripen in the most unfavorable seasons. It is adapted to either clay or black ground. It makes solid showy corn and will mature in 110 days or less. Ear medium size, deep grain and producing a medium tall fodder. The cob is small. Many men who have tried it, claim that they can depend on it to get a crop. Price, sample ear 25 cts. postpaid. Write for price list on Seed Corn.



“GOLDEN GLOW” Pure Bred Corn

"Holco" Cash Corn



"Holco" Cash early to mature and a yielder of finest ears. "Holco" Cash Corn, deep grained, yellow, the smallest cob of any variety known. The ears are large, well filled at the butt and tip ends, with beautifully formed deep grains. This corn is, without doubt, the best feeding corn in existence. Matures in about 95 to 100 days. It certainly is an ideal corn. Everyone will buy it for seed that sees it. It is with a great deal of pride and satisfaction that we offer this new corn to our customers. Our grower has grown it on his farm for about 10 years, by careful selection he has it as near perfect as any corn we have ever tried. In fact, everyone that sees it, at once recognizes it as the ideal corn. 62 lbs. of shelled corn per bushel. 70 lbs. of ears, only 8 lbs. of cob; it is all corn. Your money back if the seed is not satisfactory. Why not give it a trial? Sample ear 25 cts. postpaid; quart 35 cts. postpaid. Write for price list on Seed Corn.

A. A. Dart, Burlington Co., N. J., 1919.—"I grew your Cash Corn this year and it yielded well and was earlier than any corn in this section."

Boone County White. One of the largest varieties of dent corn grown. It is not suited for crib corn in this and northern localities as it is too late in maturing. In southern districts it produces bumper crops and is one of the heaviest yielding corns grown. We handle this corn because many of our customers prefer it for silage purposes as it makes a wonderful growth of fodder. Our seed is of strong germination. Write for current price list on seed corn.

Longfellow Flint. A large, eight-rowed yellow Flint variety, well adapted for the northern states. The ears are long, some of them measuring 15 in., and oftentimes two or more good specimens grow on stalk. Grain long, broad and yellow. The cob is quite small. Write for price list on Seed Corn.

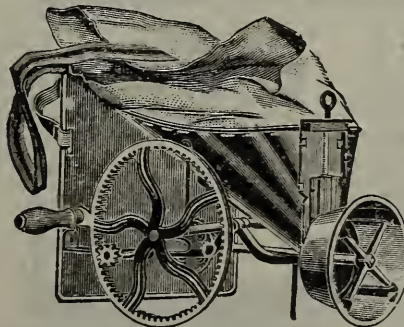
Formalin Prevents Smut In Wheat and Oats; Also Potato Scab

Formalin Is Crop Insurance for Grain Crops

Mix one pint of Formalin (40 per cent formaldehyde) with 30 gallons of water and sprinkle it over the grain with watering pot, using about one gallon for each bushel of grain. The grain should be spread out on a clean floor in a thin layer, sprinkled thoroughly and the next layer added. This should be repeated until as much grain has been treated as can be dried at one time. The entire pile should be thoroughly mixed by shoveling, covered with blankets or sacking and left for from 8 to 12 hours; it should then be spread out and dried. A good time to treat seed is just previous to sowing. About one peck more seed should be used per acre to allow for swelling. We can supply Formaldehyde put up as follows: ½ pint 30 cts., 1 pint 50 cts., 1 quart 90 cts.

Cahoon Broadcast Seed Sower

For Sowing Seed, Grain, Clover
Seed, etc.



The best seeder manufactured, and sows all kinds of grain, clover seed, etc., rapidly and evenly. A person entirely unused to seeding can, by following the simple directions sent with machine, sow from four to six acres an hour at a common walking gait. It sows uniformly and saves four-fifths in labor by its use. Every farmer should have one of these sowers. Circulars giving full information and directions for use, mailed on application. Price \$5.00 ea.

W. B. Burt, Stark Co., O., 1919.—"The Cash Corn Seed received from you is very satisfactory, and I thank you for your promptness in delivery."



Plant Prize-Winning Seed Corn

"Holco" Sure Crop Corn

We are glad to be able to offer this grand early Yellow Dent Corn to our customers. "Holco" Sure Crop is an ideal early Yellow Dent Corn, and we do not hesitate to say that it will be one of our leading corns. We feel sure it will be as popular with all corn growers as our Golden Surprise. Matures under favorable weather conditions in 90 to 100 days. Has a strong root growth, which holds it up well during wind storms. The stalks grow to a height of 9 to 10 ft. Ears average 9 to 10½ in. Cob very thin, often producing two large ears to a stalk; the grains, which are long and wide, are of a bright, golden yellow. Is a splendid yielder on light soils, while on rich, fertile soils it is a wonderful cropper. "Holco" Sure Crop will grow and produce its crop in any corn growing State in the Union.

Sample ear 25 cts. postpaid. Write for price list on Seed Corn before buying.

Reid's Yellow Dent. The most popular Yellow Dent Corn in the Great Central Corn Belt. Does equally as well in Ohio as it does in Illinois. For a number of years past Reid's Yellow Dent has been one of the most popular varieties of the Middle West. It is a true Dent Corn, color a beautiful golden yellow, with one of the smallest cobs for size of ear of any yellow Corn. Ears are frequently 10 to 11 in. long, 7 to 8 in. in circumference. Is easily shelled, matures its crop under favorable conditions in about 110 days. It undoubtedly has taken more prizes at the Illinois State Fair and other Great Corn shows in various parts of the country than any other variety.

Sample ear 25 cts. postpaid.

Write for price list on Seed Corn.

Cyclone Seed Sower

A Very Popular Seeder and Very Extensively Sold

This sower is guaranteed to distribute seed perfectly, evenly, and will not throw seed in an upward direction or against the operator, but direct and evenly to the land. Sows clover, timothy, red top or herds grass, alfalfa, oats, rye, millet, wheat, buckwheat, turnip and other varieties of farm seeds. It also distributes bone dust, land plaster and fertilizer to advantage. Clover seed is sown a width of 18 feet; timothy, 15 feet; alfalfa, 20 feet; wheat, 25 feet; millet, 18 feet; oats, 18 feet. Thus, it will be seen that one operation can sow from 40 to 60 acres per day, according to the kind of seed. Price, \$2.00 each.



Golden Standard Leaming. The Leaming Corn was first originated in Ohio in 1826, by J. S. Leaming. For cattle, hogs and sheep there is none better. Rich in both protein and oil, it becomes the ideal from a feeder's standpoint. The cob is more readily crushed and masticated by cattle than most varieties. For the dairy districts, for ensilage purposes, Golden Standard Leaming is unsurpassed. Possessed of an abundance of foliage, with broad, fine-quality leaves and heavy stalk, 12 to 15 tons of ensilage to the acre is an average yield. While this Corn is recognized by all as the great ensilage and feeding Corn, it is also a big yielder under modern methods of selection and breeding. The ears are of fine quality and the stalks and broad foliage are very succulent. It is of a rich yellow color and requires 110 to 115 days to fully mature. Sample ear 25 cts. postpaid.

Sweet Fodder Corn. Best for cutting and feeding green during the summer months. This is better than any field corn, from the fact that it is so very sweet and nutritious that cattle will eat every part of the stalk and leaves with relish. Drill thickly, in rows 3 ft. apart, using 1½ bu. of seed to the acre.

Write for price list on Seed Corn.

Red Cob Ensilage. A large, tall growing variety, popular for ensilage, is used considerably in certain sections of the country, not as leafy or early as "Holco" Blue Ridge. Our stock of seed was well matured, dried and protected.

Write for price list on Seed Corn.

C. A. Briggs, R. D. No. 1, Ohio.—"Please send me your prices on Ensilage Corn. We have been well pleased with everything we have received from you."

"Holco" Famous Tested Ensilage Corn

"Holco" Blue Ridge, Earliest—Grows Tall—Leafy—Full Eared



"HOLCO" BLUE RIDGE
On Our Own Farm

"Holco" Blue Ridge Ensilage Corn originated in the Blue Ridge Mountains. It is the result of careful selection for many years of corn grown at a very high altitude. This selection was made with a view of getting more foliage and the earliest largest yielding ensilage corn. On account of its being grown at a high altitude and away from other varieties, it is earlier than any other Southern Grown Ensilage. Our "Holco" Blue Ridge grows very tall, attaining a height of 14-16 feet on good soil. It is also very prolific, producing many large ears, and makes the heaviest, and thickest fodder of any early southern ensilage. In our opinion and those who grew it the past few years, it is the best and most productive corn any one can plant. The "Holco" Blue Ridge is grown especially for us, properly selected and cured and we know it is of highest germination, strong and vigorous. Be sure and try this corn if you want one of the best. Write for prices before ordering.

Charles Carson, Charlevoix Co., Mich., 1919.—"My Eureka Ensilage Corn did wonderfully well, some stalks reaching the height of 16-17 feet. Got a bushel from the East this year but found yours just as good and at about 2-3 the cost."



Eager Bros., Livingston Co., Mich., 1919.—"We are very much pleased with the Blue Ridge Ensilage Corn and Old Virginia. As soon as you get your best seed on the market for next year we are in the market again for seed."

A. A. Dart, Burlington Co., New Jersey, 1919.—"The Blue Ridge Ensilage Corn which I grew is the finest ever. Had very large ears and seemed a shame to put it in the silo."

Alfred Allen, Ingham Co., Mich., 1919.—"The Blue Ridge Ensilage Corn was very satisfactory."

ADD SOY BEANS TO YOUR SILAGE

Under Seed Corn we take space to urge our friends who have Silos to grow Soy Beans for Silage as well as Corn. One-third Soy Beans to two-thirds corn will make your Silage a perfect ration. The Soy Bean plant will supply the protein that the Corn lacks. You can grow the Soy Beans right in the same row as the Silage Corn. Or plant the Soys separately.

Eureka Ensilage Corn. Grows very tall, leafy, short-grained, but one of the most productive, both in growth of fodder and grain, many of the standard varieties. Originated in Virginia and our stock is grown by the originator. We can assure you corn of strong germination. Write for price list.

Old Virginia Ensilage Corn. Is one of the most popular and satisfactory of all ensilage corn. Grows to a large size, is very leafy and well adapted for ensilage. There is no corn more difficult to cure or keep properly, and much of it is kiln-dried, while large quantities have been stored in elevators and gone through a sweating process which has destroyed the germs. Our stock is carefully selected and dried. We can assure you high germination. Write for prices.

SUNFLOWERS FOR SILAGE

Wonderful results are being obtained from the use of this novel crop for silage, and 3 to 5 tons more feed can be raised per acre than from corn. The silage is good tasting, of high feeding value and well liked by stock. Sunflowers do better on poor soils than corn and withstand hot dry weather. From 4 to 5 pounds of seed are planted per acre in rows like corn and the crop cut when 1-10 plants are in bloom. We have the Mammoth Russian variety which is used and will gladly send price of seed.

"Holco" Hardy Alfalfa Seed



Grimm Alfalfa which we can guarantee to be from fields having the true variegated flowered plants. Genuine Grimm will stand the severest winter conditions and survive when all other varieties fail. Many Agricultural Colleges are now recommending Grimm seed if the genuine can be secured. They have found that owing to its hardiness and ability to resist winter killing it is the cheapest to buy in the long run. We have affidavits from our growers that the seed is grown from seed originally secured from the Famous Grimm Fields of Carver Co., Minnesota. There is only a limited amount of this seed available this year so we will be able to offer this Genuine Grimm only for a limited time. Place your order early if you desire some of this seed.

Write for current price list.

Genuine Dakota and Montana Dry Land Seed. The famous Northern Grown Hardy Seed which comes next to Grimm in its ability to survive and produce. Write for prices and tests.

"Holco" Recleaned Grass Seeds

Timothy. GOOD SEED IMPORTANT FOR HIGH YIELDS AND CLEAN FIELDS. Our seed has never been cleaner than the new fresh crop that we offer this year. Seed that any farmer would be proud to sow. Don't buy Timothy Seed just because you can get it cheap. Before you buy, know what it will test and that such test will be on the bag you receive as is required by the Ohio Pure Seed Law. Such protection you get in buying from us. We tag all shipments with purity and germination tests for our customers living outside Ohio who are not otherwise protected. Let us supply your wants with our clean, pure seed. As prices change during the season, write for our latest price list before buying.

Red Top. A wonderful grass to sow for hay and pasture. Does especially well on moist soils. But Red Top should be in every grass mixture sown on the farm for permanent pasture. We have the cleanest and purest seed obtainable. Sow 12-15 lbs. per acre.

Why take a chance on unknown seed when you can be sure of getting Genuine Northern Dry Land Alfalfa Seed that is clean, pure and of highest germination.

HOW TO SUCCEED WITH ALFALFA

Prepare a well-firmed seed bed at least a month before seeding to get rid of the weeds. The soil should be limed after plowing if acid, 1-2 tons per acre. Well rotted manure or an application of commercial fertilizer is necessary if the soil is poor. Inoculate the seed and sow from 12-15 lbs. per acre and cover lightly. If land is fall prepared, sow on frozen soil in spring, otherwise wait until June 1. Don't sow later than Aug. 10 in Northern States. Sow without nurse crop if land is not weedy but if nurse crop is desired sow barley about 1 bu. per acre. In the North don't pasture or cut alfalfa after Sept. 15. Never sow alfalfa on low, flat or wet soils.

Good Seed is Scarce and Higher Priced this Year on account of the extreme drought and pest of grasshoppers in the western seed producing sections. There will undoubtedly be a great deal of imported and inferior seed on the market, so we advise that you place your orders where you can be sure of getting only best quality seed.

Orchard Grass. Does well in shady places and is splendid for pasture mixtures furnishing a good growth all summer. Starts rapidly in the spring and grows quickly. Sow 20-25 lbs. per acre.

Kentucky Blue Grass. Makes the best sod of any grass and is one of the earliest grasses to start in spring. For pasture and lawn it is unequalled. We do not handle cheap light seed full of chaff and weeds. The standard weight per bushel is 14 lbs. but our Pure Recleaned Seed runs 20-25 lbs. per bu.

Canadian Blue Grass. A valuable grass for dry soils and excellent for pastures. It forms a dense strong sod and is used by many in place of the Kentucky Blue. See our price list.

English or Perennial Rye Grass. One of the best grasses for permanent pastures. It produces very nutritious grazing and a compact sod. It is well adapted for hay and meadows, growing quickly after cutting. When sown alone 25-40 lbs. per acre.

Sweet Clover

The Greatest Crop for Hay, Pasture and Fertilizing

**Build Up Worn Out Pastures, Exhausted Fields and Barren Hillsides
by Sowing Sweet Clover**

This hardy once despised roadside weed has come into its own when once its great value was appreciated and use was understood. The ability of this wonderful plant to grow and thrive under adverse conditions has made it a benefactor to mankind. Live stock soon learn to eat Sweet Clover and its high protein content makes it one of the most valuable crops to plant on the farm for feeding. Hardly a crop can compare with it when some green fertilizing crop is needed to plow under. Its extensive root system gathers great quantities of nitrogen if it is inoculated, and add this expensive element of plant food to the soil. Where Sweet Clover is grown Blue Grass soon follows and covers the land with its velvet sod, making valuable pastures out of land that was waste and barren. Never be afraid you can't get rid of Sweet Clover if you wish. By cutting the clover close to the ground and preventing its forming seed it dies out in two years same as Medium Red Clover.

Starting with Sweet Clover is some times difficult unless you sow on a thoroughly compact seed bed, for on loose freshly plowed land it soon dies. Sweet Clover requires lime or a soil not acid. It also requires inoculation for best results. 15 lbs. of seed are usually sown per acre. A good time to sow is on the frozen ground or snow in early spring. Can be sown at any time later after seed bed has been well prepared and is compact. For Hay, Sweet Clover should be cut before it comes into bloom, and in cutting raise mower so the base of the plant and side shoots are not entirely cut off.

Our Seed is the Genuine White Blossom Variety—the one best adapted for hay, pasture and other uses. Let us send you our current price list before buying.

Holco Extra Fancy Clover

Only the Highest Quality Recleaned Seed

Owing to the great scarcity of Medium Red, Alsike, and Mammoth Clover this year, great caution should be used in the purchase of these seeds. Do not be deceived by the offer of cheap seed. Pure clean seed is not plentiful and the price will seem high as compared to seed badly contaminated with weeds and foreign matter. But to the man who gives a second thought to this he will realize that the best seed he can buy will be the cheapest for him to plant.

How Our Test Protects You

Every bag of clover in our warehouse is carefully tested by our trained seed analyst in our especially equipped seed testing laboratory according to the U. S. Government and State of Ohio seed testing methods. Our test protects you from getting impure seeds, for every sack bears a tag giving you the exact contents. But we sell our seed subject to your test or that of the Experiment Station. If you are not satisfied with our seed, return it to us within ten days and we will refund your money and pay transportation charges.

It will always pay to sow clover no matter what the price.



SWEET CLOVER

Medium Red Clover. The highest grade re-cleaned Holco Quality Seed which we want you to compare as to purity, freedom from noxious weeds before placing your order. Beware of cheap Red Clover offered you outside the state where it does not have to be tested or labeled as the Ohio Pure Seed Law requires. Write for prices before ordering.

Alsike Clover. It is being mixed with other clovers for spring seeding as only half as much is required. Only the highest grade re-cleaned seed which is very scarce this season. Order early if you need Holco Quality Alsike.

Mammoth Clover. Does better on thin soils than Medium Red and makes a wonderful crop to plow under. A big hay producer and excellent for pasture. Holco Quality Seed.

Crimson Clover. The equal of any clover for hay and fertilizing value. It is sown in the late summer and fall usually in corn. Ask for our current price list.

White Dutch Clover. Best for permanent pastures and lawns. Can be sown in the spring or fall. We handle only the high-quality re-cleaned seed. Write for our price list before ordering.

Holco Farm Seeds

All Our Tested Farm Seeds are Sold Under the Provisions of The Ohio Pure Seed Law. When You Buy Seeds Outside Ohio You Are Not Protected by This Pure Seed Law.

OUR FIELD SEEDS ARE GUARANTEED TO SUIT and if not satisfactory or in your opinion not found as represented, we gladly refund your money and repay transportation charges, if seeds are returned immediately. We do not hold ourselves responsible for the stand or crop for such depends to a large extent upon conditions of the soil, weather and cultivation.



Field of Pedigree Wonder Oats Grown From Our Seed on Timken Estate Near Canton

Pedigree Number One or Wonder Oat

Remarkable for its Productiveness and its Stiffness of Straw

The greatest oats for heavy soils ever produced. Bred and improved for a stiff straw, which prevents lodging on rich soils. A white oats with a thin hull and spreading head. When grown in comparison with other varieties, it far out-yields them. A medium early oats of wonderful yielding power. Genuine pedigree seed, true to type and name. Ask for our current farm seed price list before buying.

Improved Swedish Select

This is an improved strain to the Swedish select. Variety introduced by the U. S. Department of Agriculture some 15 years ago. Under constant improvement and selection since that time this variety has become the most popular oats in America. Has a large, white, plump kernel and spreading head. A tremendous yielder on light soils, due to its extensive root system. An early maturing, uniform ripening strain. Well adapted to the average soil.

Ask for our current farm seed price list before buying.

Flax Seed

In procuring Flax Seed attention should be paid that it be healthy and perfectly clean, as this is such an important item. We offer good, clean and healthy seed of this variety at a very reasonable price. Cleaning Flax so as to make it suitable for seed is an expensive operation, requiring special machinery, and often involves considerable waste.

Write for prices before buying.

Stock Beets and Mangels

No farmer should be without Beets and Mangels for winter feeding. The great feeding value of such crops should be understood by every one who desires to keep livestock healthy and in a good thrifty condition. A succulent feed such as is furnished by Stock Beets can be grown cheaply and abundantly on every farm. For keeping up winter egg production, beets are as necessary as other feed. We offer choicest seed of all the leading varieties and call your attention to page 15 for complete list and prices.



Field of Canada Field Peas and Oats

Canada Field Peas

Field peas are one of the best hay and soiling crops that can be grown. Usually sown with oats which makes a rich nutritious hay. Splendid to cut and feed green as a soiling crop. Sow 60-90 pounds of peas to 64 pounds of oats early in the spring. Does best on fertile soils which have been well prepared. 60 lbs. per bushel. Write for lowest prices.

Holco Pedigree Barley

The World's Champion Bearded Barley

Barley is nearly equal to Corn for feed and costs a great deal less in time and labor to raise.

We Have the Genuine Northern Grown

Wisconsin Pedigree Barley. This is the highest yielding variety of barley grown and is the result of 20 years' breeding and selection at the Wisconsin Agricultural Exp. Station. Our seed is pedigree stock and will out-yield the common varieties 10-20 bu. per acre. It ripens uniformly and is noted for its stiff straw and plump kernels. This PEDIGREE BEARDED BARLEY has been used with splendid results by the farmers of Minnesota and Wisconsin where a rich feed is desired for their dairy cattle. Why not put out a field of barley this year and reduce the number of acres of corn that would have to be planted and cared for all during the summer? Many of our customers find this barley yields as heavy as their oats.

Barley needs a good fertile soil, clay or loam for best results. It is seeded just after oats, as early in the spring as possible. If drilled use $1\frac{1}{2}$ to $1\frac{3}{4}$ bushel per acre.

AS A NURSE CROP FOR CLOVER OR ALFALFA there is no better crop to plant than barley. It is not so apt to lodge and smother out the new seeding as oats. For a nurse crop where the new seeding is of most importance sow not over $1\frac{1}{4}$ bu. per acre. Write early for a price list on this Pedigree Barley.

Holco Beardless Barley. A favorite with many who do not like the bearded varieties. Easier to handle on this account as it is free from the objectionable beards. Our seed is a very productive strain but of course cannot be expected to yield as heavy as our Pedigree Bearded Barley. Write for prices.

Improved White Hulless Barley. The entire hull of this barley is removed in threshing. It is grown only for feed and the absence of hulls makes it very desirable. Many of our customers have gotten very heavy yields with this new IMPROVED HULLESS BARLEY as it is very early and matures before extreme hot weather. In the west it is grown as a catch crop just on this account. Often used for hay and should be cut just before it becomes ripe. Sow $1\frac{1}{2}$ bushels per acre. Write for latest price list on this seed.

Wheat

Marquis Spring Wheat. REMARKABLE EARLY—VERY PRODUCTIVE—BEST MILLING QUALITY. This is the newest, earliest and highest yielding variety yet introduced. Originated at the Central Canadian Experiment Station and now grown throughout the great wheat producing sections of the north. It has given heavy yields in Ohio during the past but with the oats it was hurt by the exceptional dry weather last year. It must be planted early for best results. Ask for our current price list before buying.

Winter Wheats. We handle and recommend only those varieties which have given best results and highest yield under Ohio conditions, and in regions where similar strains of winter wheats are grown. The following varieties are among those giving highest yields in a 10-year test at the Ohio Experiment Station.

Trumbull. A selection from the Fultz. Smooth head, a red kernel and white chaff. Has outyielded the Fultz 2-4 bu. per acre. Very stiff straw.

Portage. An improvement on the Poole which it has outyielded. It has a smooth head, red chaff and kernel.



FIELD OF PEDIGREE WISCONSIN BARLEY—Originator's Stock

Gladden. A pure line selection from the Gypsy. Has very stiff straw, and noted for heavy yield. This is a bearded variety with red kernel and white chaff. Write for our current price list of Fall and Winter Grains before buying.

Rye

Holco Spring Rye. One of the best crops for light soil as it makes a much better yield on poor soils than most any other spring sown grain. On good soils it is planted for pasture and makes an abundant early growth, and is used for this purpose by many live stock raisers. Sow $1\frac{1}{2}$ bu. per acre early in the spring. Write for prices.

Rosen Rye. THE HEAVIEST YIELDING VARIETY FALL RYE. This new rye was introduced by the Michigan Experiment Station several years ago and has proven to be one of the best winter strains for the Northern States. It will outyield common rye 15-25% and is very winter resistant. On good soils this GENUINE ROSEN RYE yields from 35-50 bu. per acre. The berry is of light gray color and very plump. It has a strong straw and stools to a remarkable degree. Write for prices on this Pedigree Seed.

Field Pumpkins

We place these among our field seeds, as they are excellent for feeding stock, and should be grown in every corn field. Hundreds of loads of pumpkins can be grown without any extra expense.

Connecticut Field. This is widely known as the Yankee Cow Pumpkin, and there is no variety that will do as well among the corn. **Lb. 75 cts.,** postpaid.

Mixed Pumpkin Seed. We offer a mixture of Pumpkin seed, consisting of large Mammoth and field sorts, and also the choicest pie pumpkins. **Lb. 75 cts.,** postpaid.

Dwarf Essex Rape

The Perfect Hog and Sheep Feed

This cheap but ideal summer and fall pasture for hogs and sheep should be planted on every farm. The Ohio Exp. Station says: "As AN ANNUAL FORAGE CROP FOR SWINE, IT IS UNSURPASSED. The dry matter of rape compares favorably with that of alfalfa or clover pasture. An acre of rape pasture may be estimated to carry 18 to 24 full fed pigs from June until close of grazing season." Sow rape on richest and most fertile soil using 3-5 lbs. seed per acre if broadcasted, or 1-2 lbs. if drilled. Plant about June first or later. Our seed is choice quality genuine selected stock. Write for price list.

Winter Vetch

The Great Soil Builder and Cover Crop

This wonderful legume WINTER OR HAIRY VETCH is giving great results as a cover and soiling crop wherever used. Whether it be in the cold Northern States or Sunny Southland, Hairy Vetch is the crop to replenish lost fertility and keep good soils fertile. It grows well on land where clovers do not thrive, and takes the place of these necessary legumes. Vetch lives over winter, making good fall and early spring pasture.

Winter Vetch is a great crop to sow in the fall to prevent leaching of the soil and wasting of plant foods. As a crop to plow under in the spring for corn, Hairy Vetch will add many bushels to your yield.

Winter Vetch is usually sown in the fall from Aug. to last of Oct., and generally mixed with fall rye which holds up the vetch plant better. From 5-10 lbs. of vetch is sown with a bushel of rye, but for a heavy stand of vetch from 10 to 25 lbs. are sown.

Winter Vetch can also be sown in the spring with oats or any other spring grain and will furnish early fall pasture after the grain is cut. It also increases the yield of the crop it is planted with if the vetch is inoculated. The feeding value of vetch is equal to alfalfa and it is readily eaten by all live stock. The demand for Genuine Winter Vetch is so great that it is sometimes difficult to get pure seed. However, we have usually been able to supply our customers with all the seed desired, if the orders reach us early. We have only the best quality pure Winter or Hairy Vetch at lowest market price. Write for our price list.

Broom Corn

Improved Evergreen. The best variety for brooms. Brush long and straight; bright green color. Highest quality of seed. Drill 15 lbs. seed per acre and cultivate. Bu. 48 lbs. Write for lowest prices.

Buckwheat

Japanese Buckwheat is an early variety which can be sown farther north than other strains. Seed is very large and a heavy producer. Write for lowest prices.

Sugar Cane or Sorghum

Early Amber Cane. The choicest variety and best for syrup. This is the earliest and richest strain for northern latitudes. Our seed is clean and highest grade. Write for prices.

Gem Sorghum or Fodder Cane. Grows 8 to 12 feet high. The greatest known fodder for horses, cows, hogs and sheep. One bushel of seed to the acre. Write for our current price list.

Millets

Splendid crops for hay or soiling. Can be sown both in spring or early summer as catch crops. They thrive best on fertile soil.

New White Wonder Millet. The latest introduction and one of the most desirable for forage. It is very early and produces a dense heavy foliage. Noted for its immense heavy heads which enable it to outyield other varieties two to three times. We want every farmer to try out this NEW WHITE WONDER MILLET, for we feel certain he will find it to be the best millet ever grown in his neighborhood. Write for prices.

Golden Millet. A medium early variety noted for its large heads. Will produce an enormous crop on rich soils and when young, makes excellent pasture.

Hungarian Millet. Preferred for hay on account of its slender stems, and abundant leaves and small heads. Very quick grower and can be sown late.

Common Millet. An excellent early millet for hay but not so heavy a yielder as others. It is a very popular millet and generally lower in price.

Japanese Millet or Billion Dollar Grass. Used for both a green fodder crop and for hay. Will grow 6-8 feet high and does best on moist soils. Makes an excellent crop to plant for silage, giving enormous yields. Only 12-15 lbs. seed required per acre. Write for prices on our Millets.

Sunflower

Sunflower seed is one of the best egg producing foods for poultry; the leaves make excellent fodder, being relished by all kinds of stock. The seed is a good food for hogs, and yields a fine quality of oil. The stalks, which grow very large, make excellent firewood. It can be sown any time before the middle of July. Plant in hills, allowing 3 to 4 plants to each hill, 3½ to 4 feet apart each way; or in drills, 6 quarts will sow an acre. Cultivate the same as corn.

Mammoth Russian. Flowers 18 to 20 inches in diameter. Very showy, but mostly grown for the large amount of seed produced. Write for prices.



SPELTZ

Speltz or Emmer

Speltz is a new crop in the east that is rapidly gaining favor as a feed producer. It will thrive on poor soils and does well in dry weather. It is sown in the spring like oats which it has outyielded for many of our customers. The grain when threshed has a covering like oats or barley. It is relished by all kinds of stock and is usually ground and mixed with other feeds not so rich. Sow 2 bu. per acre. Write for our current price list.

Soy Bean Hay

Most Nutritious and Relished Forage for All Live Stock

Soy Bean Field
and
Inoculated Plant
showing large
nodules on the roots

It pays to
Inoculate



Grows where ever corn will mature. Resists dry weather better than corn or clover. Does well on soils too acid for red clover and alfalfa. Makes good growth on light and poor soils. Can be raised for hay, forage, seed or silage. Dairy cows, horses, hogs and sheep make good use of Soy Beans. They are used for green manure and when inoculated, roots are covered with large nodules.

Write For Our Current Price List on Soy Beans.

Ito San. This is the standard best known and most widely grown variety. It is early maturing and recommended for both hay and seed production. The bean is yellow and a good one to sow with corn for hogging down or forage. It makes a fine quality hay.

Medium Green. An exceptional good bean for hay and forage, also widely used with corn for silage. On account of the seed shattering badly, this variety is not recommended for seed purpose. The seed on this account is usually scarce and higher priced.

Ohio No. 9035. This is a brown bean improved by selection at the Ohio Experiment Station. It is probably the most important of the medium sorts. The plant is tall and leafy making it a good one for hay. It is also noted as a seed producer and does not easily shatter. We can thoroughly recommend this bean.

Holly Brook. We have found this to be one of the best to plant with corn for silage. It is also a good bean for hay or forage and is one of the tallest medium maturing varieties. A good seed producer and will mature beans in ordinary seasons in this and more northern localities.

Mongol. A medium variety well adapted to plant with corn for silage. Because of its tall growth it is readily cut by the corn binder. Has very abundant foliage and will make good hay. Our seed is fresh and of good germination.

Mammoth Yellow. This is a Southern grown bean and it cannot be expected to mature seed in this locality. However for its purpose it is very desirable and is widely used for hay, silage and plowing under for green manure. This bean will make a tremendous growth of leaves and vines and is often mixed with an earlier bean. Be sure and get our current price list before ordering.

Northern Grown Soy Beans. All our Soy Bean Seed except where noted in the catalog you can depend on to be Genuine Northern Grown and under ordinary conditions of weather will easily mature.

We Have The McQueen's Inoculators For Soy Beans and All Other Legumes Sure, Reliable and Easy to Use.

McQueen's Inoculator supplied at the following prices: 6-acre size \$5.00, 1-acre size \$1.00—postage paid.

Inoculation. Soy Beans should be inoculated before planting as they make a much better growth and are more leafy. It certainly pays to inoculate Soy Beans and a row planted with seed not inoculated will convince you of its value.

In Planting Soy Beans Do Not Use Old Seed. Owing to their high oil content Soy Beans do not germinate well the second year, so be sure you have fresh tested seed. We make a specialty of Soy Beans, and all our seed is new and of highest germination. We can assure our customers that they will get only this season's crop which has been carefully threshed and stored.

For Hay. Plant when the ground is thoroughly warm, one to two weeks after corn planting time. Drill 3 to 8 pecks per acre. Can be broadcasted if covered lightly. Harvest when pods are well formed. Mow after dew is off, rake up when wilted and cure in windrows or cocks until safe to store.

For Silage. Mix 1-3 beans with 2-3 corn and keep well stirred in the planter box to make even stand. Beans can be mixed with fertilizer and planted thru fertilizer attachment, using less than one peck beans per acre. Beans are often planted by hand after corn is up or drilled in with planter. For the largest crop of Soy Beans the most satisfactory way is to plant in separate field from corn and mix at time of filling silo.

For Seed, Hay or Silage. Soy Beans planted in rows 28 to 36 in. apart and seed 2 to 4 in. apart in the row give probably the most satisfactory results. Use 1 to 3 pecks beans per acre. Give two or three cultivations. Harvest for seed after leaves have fallen, and cut on damp cloudy day to avoid shattering.

Read what The Ohio Experiment Station says:
"The soybean as a legume crop deserves a much wider recognition than it has yet received. This is based particularly upon the ability of the crop to produce large amounts of feeding nutrients, as a 20-bushel crop of soybeans will carry 40 percent more protein and 25 percent more fat than a 50-bushel corn crop, or 30 percent more protein and 65 percent more fat than a 2-ton crop of clover hay.

"Ton for ton, soybean hay and alfalfa hay contain practically the same quantities each of protein, carbohydrates and fat, and the oil-meal from soybeans is higher in these nutrients than that from cotton-seed or linseed, feeding experts state.

Soybeans have practically the same climatic and seasonal range as corn and both may be converted into silage together."

—Monthly Bulletin, March, 1919.



SUDAN GRASS

Planted Middle of July—Baird Bros. Farm, Stark County, Ohio

Testimonials from a Few of Our Customers Who Planted Sudan Grass Last Season

M. A. Cooper, Secy. Dorset Horn Sheep Breeders Assn. of America, Washington Co., Pa., 1919.—“Seeded about 1/2 acre with Sudan Grass. It grew and made a fine lot of feed. Could have cut it the second time, if we had sown it earlier.”

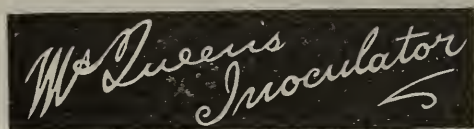
Baird Bros., Stark Co., 1919.—“We planted Sudan Grass about the middle of July and it made a big crop of hay. Part of the field was cut early and that made another crop before frost. We never saw a crop grow so fast!”

W. J. Mathews, New York State, 1919.—“The Sudan Grass grew to a height of 6 feet. Want to put in 20 acres next year and put some into the silo with corn.”

Cow Peas

A valuable legume for pasture hay or improving the soil. Also splendid for soiling and silage—all stock eat it. Very beneficial in any rotation and gathers nitrogen from the air if properly inoculated. Can be planted in spring about corn planting time. Either drill or broad casting 60-90 lbs. per acre, 60 lbs. per bushel.

Our Whippoorwill variety is best, a very quick grower. Write for our current price list.



To inoculate your Alfalfa, Clovers, Soy Beans, Vetches and all other legume crops. Small cost; large returns; easy to use; no labor expense. Increase your crops. Improve your soil. Specify the particular legume which you desire to use.

McQueen's Inoculators are supplied at the following prices: 6-acre size \$5.00, 1-acre size \$1.00. (These prices include delivery.)

Free descriptive literature sent upon request.

Sudan Grass

The Most Prolific Hay Crop Grown. Will Raise Two Crops in a Season. Grows Most Feed in Shortest Time

Can you not use a few acres of hay to advantage that can be raised easily and quickly and will yield 2-8 tons of cured hay per acre? Then plant SUDAN GRASS and be surprised at the abundant crop of nutritious hay that this wonder plant will produce in so short a time. The drier and hotter the weather, the more you will be surprised at the growth it makes. It will grow and produce a crop on any kind of land but the better the soil the larger will be the yield.

All kinds of live stock like SUDAN GRASS, and will leave other hay to eat Sudan. It has a sweet pleasant taste, being by nature a member of the Sorghum family. The feeding value of Sudan Grass is higher than other hays outside the legumes.

Two crops of the Sudan Grass can be harvested if seed is planted about corn planting time. It should not be sown earlier as it requires a warm soil to give it the right start. The second crop is generally better than the first for the plant stools wonderfully and gives a finer quality of hay. The first crop can be harvested about 50-60 days after sowing and the second crop will be ready to cut about 30-40 days later. In some sections three big crops in one summer can be cut. Sudan Grass is an annual and does not live over winter so must be planted every year.

SUDAN GRASS can be sown either broadcast or planted with a drill. On light soils or in dry sections, drilling in rows 18-36 in. apart and giving a few cultivations prove best. Sown in this manner, it will take 5-10 lbs. seed per acre. On fairly fertile soils or where there is plenty of moisture, sow broadcast or drill solid 15-25 lbs.

SUDAN GRASS can be cut repeatedly during the summer when desired to feed green as a soiling crop. We are proud of the fine clean seed we have to offer this year and advise ordering early while prices are lowest and seed is plentiful. Secure our price list on Northern Grown Sudan Grass.

Bird Remedies

Prices by Mail Postpaid

Bird Bitters and Tonic.....	\$0.30
Spratt's Song Restorer.....	.30
Universal Bird Tonic.....	.35
Hartz Mountain Song Restorer.....	.20
Egg Food.....	.30
Burnett's Bird Food.....	.30
Bird Peptoast Song Restorer.....	.20

Bird Seed

Prices by Mail Postpaid

Canary, lb.....	\$0.25
Hemp, lb.....	.20
Rape, lb.....	.25
Millet, lb.....	.15
Lettuce, lb.....	.40
Mixed Bird Seed, lb.....	.25

Write for special prices on larger quantities and complete list of bird supplies.



Plant a Perennial Flower Garden and Have Flowers from Early Spring Until Frost

Fresh Tested Flower Seeds

Our flower seeds comprise all varieties of real merit. We spare no trouble or expense to supply only the varieties and strains that will give the best satisfaction

ANNUALS attain full growth from seed, flower and die in one year.

PERENNIALS last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early.

Selecting Flower Seeds For Various Purposes and Situations

Flowering Garden Annuals

that attain perfection
and flower the first
season from seed.

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Flower Seeds Are Delivered Free to Any Postoffice



"HOLCO" GIANT PRIZE PANSIES

Peerless Pink Aster

- 3003 Conceded the finest double pink late-branching Aster ever offered. Plants are robust, free-branching habit, hard to find a flower under 4 in. across, many measure 5 in. by 2½ in. in depth, forming an almost globular flower. The center being filled with a thick whorl. Color is a rich shell-pink, comes into bloom about the middle of Aug., being at its best during the early part of Sept. Pkt. 10 cts., ¼ oz. 40 cts.

Lanceolata Grandiflora Coreopsis

- 339 This is one of the finest of hardy plants. Grows two feet high, and blooms from June to October. Large orange yellow flowers, much prized for cutting, as they last a long time. Easily grown from seed, flowering the first year. Pkt. 10 cts., ¼ oz. 25 cts.

Giant Flowering Mixed Zinnia

- 1230 A flower of perfect form, round, full and double, and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which make them valuable for cutting and will render them a favorite wherever tried. The plants grow 2½ to 3 feet high, while the flowers often measure 5 to 6 inches across, and thickly set with velvety petals. The ease of culture, indifference to special soils, early, prolific and long continued bloom, and magnificent flowers of exquisite colors has made this strain a favorite. Pkt. 10 cts., ¼ oz. 40 cts.

"Holco" Giant Prize Mixed Pansies

- 770 A new strain of Pansy with immense flowers, most of them ruffled, and as for color, they come in all shades of the rainbow. Heat resisting qualities however, make this Pansy most valuable, for hot weather affects them but little, and when others vanish from the heat, they bloom on through the summer. Pkt. 25 cts., 3 pkts. 50 cts.

W. A. Collins, Clearfield Co., Pa.—"I grew your Giant Prize Pansies last year, and they were the largest I ever saw. I had flowers 3½ inches in diameter on May 30, and could have sold thousands of plants if my space had not been limited."

New Double-Flowering Cosmos

This is one of the finest in the new race of cosmos. The flowers vary considerably in their degree of doubleness, some being absolutely double, while others have a frill or collar surrounding the double disc, and while we think this is the most artistic they are beautiful in either form.

- | | |
|-----------------------|--------|
| | Pkt. |
| 326 Double Pink..... | \$0.10 |
| 327 Double White..... | .10 |

Lilac Queen Alyssum

- 34 Since being introduced has been very popular. By careful selection we have a stock that is a deep lavender-lilac, a really pretty color, either alone or in conjunction with the white sorts. It is of dwarf compact habit, blooming until frost. Pkt. 10 cts., ¼ oz. 50 cts.



GIANT FLOWERING ZINNIA

Acroclinium (Everlasting Flower)

An annual "Everlasting," growing about 15 inches high, bearing white or rosy-pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. Nice to grow in a mixed border aside from its use as an everlasting.

25 Mixed. Pkt. 5 cts., ¼ oz. 15 cts.

Ageratum (Floss Flower)

Used for borders, ribbon lines, etc. Blooms the entire summer. Sow early for best results.

28 Blue Perfection. Dwarf, large, deep blue flowers, fine foliage; fine for edging flower-beds or walks. Pkt. 10 cts., ¼ oz. 30 cts.

30 Little Dorrit. Dwarf and spreading in habit. Flowers azure-blue. Pkt. 5 cts., ¼ oz. 30 cts.

31 Princess Victoria Louise. Dwarf and compact habit; flowers blue with white center. Pkt. 10 cts., ¼ oz. 30 cts.

32 White Dorrit. Dwarf and free-flowering; large pure white flowers. Pkt. 5 cts., ¼ oz. 25 cts.

Alyssum

These hardy annuals are favorites for cutting for bouquets as well as for edging, boxes and baskets. Blooms all summer if not allowed to go to seed.

34 Lilac Queen. Lilac-colored flowers, contrasts prettily with the white sorts. Pkt. 10 cts., ¼ oz. 50 cts.

35 Little Dorrit. Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges. Pkt. 5 cts., ¼ oz. 30 cts.

36 Carpet of Snow. (Little Gem.) Only a few in. high; of a spreading habit. Pkt. 5 cts., ¼ oz. 25 cts.

39 Saxatile Compactum (Hardy Perennial.) Dwarf and bushy; masses of pale yellow flowers. 1 ft. Pkt. 5 cts., ¼ oz. 30 cts.

Amaranthus

Tender, decorative annuals useful for border plants, centers of beds and among shrubbery. Strong growers, should have 2 to 3 ft. space for each plant. Height 2 to 3 in.

40 Caudatus (Love-Lies-Bleeding). Blood-red; drooping racemes. Pkt. 5 cts.

41 Tri-Color (Joseph's Coat). Foliage scarlet, yellow and green. Pkt. 10 cts.



LITTLE DORRIT ALYSSUM

FLOWER SEEDS ARE DELIVERED FREE TO ANY POSTOFFICE

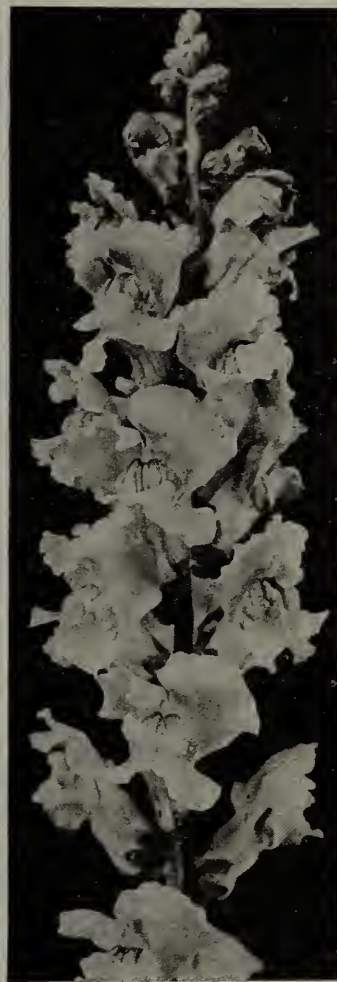
Antirrhinum (Snapdragon)

(Hardy annuals.) For gorgeous coloring few flowers can match Snapdragons.

The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Tall Giant Flowering 3 feet

	Pkt.
44 Giant Yellow	\$0.10
45 Giant Scarlet	.10
48 Giant White	.10
49 Giant Pink	.10
50 Giant Mixed.	
A splendid mixture, containing all the colors. ¼ oz. 25 cts.	
	.10
51 Giant Striped	.10



SNAPDRAGON

Mrs. J. B. Dougherty, North Canton, O.—"I had a wonderful bed of your Snapdragons. They were very gorgeous."

Half Dwarf Varieties, 18 inch

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

70 Nelrose. Coral pink. Winner of many medals and awards. Good for both greenhouse and bedding. Pkt. 15 cts., large Pkt. 25 cts.

	Pkt.
72 Cottage Maid. Rose pink white throat	.....\$0.10
73 Crimson Queen	..... .10
74 Daphne. Soft blush pink	..... .10
76 Defiance. Orange red	..... .10
78 Golden Queen. Rich yellow	..... .10
81 Mont Blanc. Pure white	..... .10
83 Half-Dwarf Mixed. All the colors.	
¼ oz. 25 cts. ....	.10

Mr. William Koester, Lorain Co., O.—"I gave you a trial order, and am pleased with it so here goes another order."

+++++
+ For an order of Flower Seeds amounting to 50 cts., +
+ select packets to the amount of 70 cts.; for \$1.00, select +
+ packets to the amount of \$1.35. +
+++++



American Asters

Are all of American origin. Our seed is the best possible to produce. No other flower which combines so much beauty with which more brilliant effects can be achieved. From July 'til Sept. this flower reigns supreme in the garden. The strains we offer are grown by specialists in this country. To have early flowers sow seed in the house from March till May; otherwise sow out of doors after danger of frost is over. Asters require well pulverized soil, do not be afraid to cultivate:



AMERICAN BEAUTY ASTER

Red "Sensation" Aster

- 3004 Reddest of all Red Asters, color being a rich garnet which glistens in the sunshine like a live coal. The plants are of free-branching habit, about 18 in. high; the very double flowers, averaging $3\frac{1}{2}$ inches across, are borne freely on stems a foot long, from early in August till the close of September. The intense color shows up well when cut; and makes a very brilliant bit of color in a bed or border. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

White Beauty Aster

- 3005 One of the finest white Asters for Mid-Summer cultivation. The plants are extremely strong growing, producing from ten to twelve large flowers, usually measuring 4 inches in diameter and of a fine form. The flower when first opened is strongly whorled, the petals being broad and somewhat folded lengthwise. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts.

Lavender Gem Aster

- 3006 Is always full double. Most beautiful shade of lavender yet to be found among early asters of the Comet type. Flowers first present a delicate shade which deepens with age and are borne on strong stems of good length. More popular every year. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

American Beauty Aster

- 3000 Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. It is the first of a new strain of late branching habit, and of robust growth. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last and are a most lovely shade of bright carmine-rose, almost identical with the World-Famous American Beauty Rose. Each plant forms a perfect bush. Pkt. 10 cts., 3 pkts. 25 cts.

When ordering, ask for our Leaflet on Aster Culture.

Pink Enchantress

- 3002 This splendid Aster is highly commended by our customers, and large quantities are grown annually. The immense flowers of a soft, delicate pink, are borne on strong, upright plants. The color is that of the popular "Pink Enchantress" Carnation. In Aster the color is between that of Daybreak and the Pink Branching. This color, although very delicate, does not fade. The plants are tall and strong and flowers are the size of those of the largest Branching Aster. The flower is made up of broad petals, loosely arranged, and the effect is indescribably soft and pleasing. Nothing could excel in refined beauty a vase of Pink Enchantress Asters. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Purple Beauty Aster

(A Gorgeous Purple of Marvelous Beauty)

- 3007 This wonderful rich Purple Beauty Aster is of the same growth as American Beauty Aster introduced in 1917. Plants average two and one-half to three feet in height, according to location. Flowers measure usually four to five inches in diameter, are borne on heavy stems which may be cut two feet in length. The flowers are fully double and are a most lovely shade of purple. Purple Beauty should be in every flower garden. (See illustration, page 64.) Pkt. 15 cts., 2 pkts. 25 cts. Postpaid.

Royal Asters

An early flowering form of our Semple's Branching variety, having all the good qualities of the latter, but coming into bloom in July or early August, and lasting for a long time. Their long-stemmed flowers are ideal for cutting.

	¼ oz.	Pkt.
3012 Royal White.....	\$0.50	\$0.10
3013 Royal Shell Pink.....	.50	.10
3015 Royal Rose Pink.....	.50	.10
3017 Royal Lavender.....	.50	.10
3018 Royal Purple.....	.50	.10
3020 Royal Mixed, all shades..	.45	.10

King Asters

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of almost any other class. The plants are large and the stems exceptionally long and strong.

	¼ oz.	Pkt.
3027 Pink King.....	\$0.50	\$0.10
3028 Rose King.....	.50	.10
3030 Violet King.....	.50	.10
3032 White King. Pure white	.50	.10
3033 Mixed King. All shades..	.45	.10

Semple's Branching Asters

This excellent Aster is of American origin, and is especially adapted to our climatic conditions.

The plants form strong, branching bushes 2 to 2½ feet high, bearing on long, strong stems flowers which under ordinary cultivation, average 5 inches across. They come into bloom during September, and, all things considered, are the most valuable of all Asters, either for cutting or for bedding.

	¼ oz.	Pkt.
3040 Azure Blue.....	\$0.45	\$0.10
3042 Deep Crimson.....	.45	.10
3044 Pale Lavender.....	.45	.10
3045 Deep Purple.....	.45	.10
3046 Rose-Pink.....	.45	.10
3047 Shell-Pink.....	.45	.10
3049 Pure White.....	.45	.10
3050 Finest Mixed. All shades	.35	.10

Asterum Asters

A giant Comet mid-season variety of recent introduction. The plants grow about 2 ft. high with long strong stems, come in bloom a little earlier than Crego's Giant type. Few of the flowers run under 5 in. across.

	¼ oz.	Pkt.
3053 White.....	\$0.50	\$0.10
3054 Lavender.....	.50	.10
3056 Pink.....	.50	.10
3058 Mixed. All shades.....	.40	.10

Crego's Giant Asters

The flowers are of immense size, usually measuring from four to five inches in diameter, and borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. The beautiful flowers are curled and twisted, resembling choice Chrysanthemums. The plants usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

	¼ oz.	Pkt.
3060 Giant Pink. A delicate shell-pink..	\$0.40	\$0.10
3062 Giant Azure-Blue.....	.40	.10
3063 Giant Purple.....	.40	.10
3064 Giant Lavender.....	.40	.10
3066 Giant Rose-Pink.....	.40	.10
3067 Giant Crimson.....	.40	.10
3068 Giant White.....	.40	.10
3070 Giant Mixed. All shades.....	.35	.10

Miss Ida Haas, Lorain Co., O.—"In spite of a very dry, hot summer, the vegetable and flower seed yielded well. The Asters were the nicest I have had for years, and the Chinese Wool Flowers excited no end of admiration."



PURPLE BEAUTY ASTER (See Page 63)

Daybreak Asters

Plants are stiffly erect in habit of growth, and attain a height of eighteen to twenty inches. The flowers are ball-like in form with incurved petals, and are about two and one-half inches in diameter. These Daybreak Asters come into bloom during August and are most excellent for cutting.

	¼ oz.	Pkt.
3075 Blue. Azure-blue.....	\$0.50	\$0.10
3076 Lavender.....	.50	.10
3078 Daybreak. The broad silvery petals are suffused with soft, delicate pink....	.50	.10
3080 Purity, or "White Daybreak." Large double flowers of purest snowy whiteness.....	.50	.10
3081 Rose.....	.50	.10
3083 Salmon.....	.50	.10
3085 Mixed. All shades.....	.45	.10

Queen of the Market Aster

A first-class flowering Aster, coming into flower in July, of branching habit, flowers of good size and borne on long stems, making them exceedingly valuable for cutting; 1 ft.

	¼ oz.	Pkt.
3088 White.....	\$0.50	\$0.05
3089 Flesh-Pink.....	.50	.05
3091 Rose-Pink.....	.50	.05
3092 Crimson.....	.50	.05
3093 Lavender.....	.50	.05
3094 Purple.....	.50	.05
3095 Mixed. All shades. Blended.....	.45	.05

Aquilegia (Columbine)

(Hardy perennial.) No hardy plant grown from seed is more easily handled than the Columbine. General favorites for borders. Will also do well under shade of trees. Among the earliest flowering perennials, easily grown. 1½ to 2 ft. average height.

- 116 **Coerulea.** (ROCKY MOUNTAIN COLUMBINE). Flowers large, petals white, sepals deep blue, spurs very long. Pkt. 10 cts., ¼ oz. 25 cts.
- 115 **Chrysantha.** (GOLDEN SPURRED). Golden-yellow. Pkt. 10 cts., ¼ oz. 30 cts.
- 118 **Long-Spurred Hybrids.** Its wonderful array of beautiful blinding colors, and with long attractive spurs, and long blooming season makes it a winner wherever grown. Pkt. 10 cts., ¼ oz. 50 cts.
- 119 **Double.** All colors mixed. Pkt. 5 cts., oz. 50 cts.

Bachelor's Button (See Centaurea).

Baby's Breath (See Gypsophila).



BALLOON VINE

Balloon Vine (Love in a Puff)

- 120 (Hardy Annual.) A rapid-growing climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons. Pkt. 5 cts., oz. 25 cts.

Balsams (Lady Slipper)

(Hardy annual.) An old favorite garden flower, producing gorgeous masses of beautiful brilliant-colored double flowers in the greatest profusion; of easy culture, succeeds in a good, rich soil; 2 ft. Start the seed indoors in April or sow out of doors in May. They should not be closer than 18 in. apart.

- 125 **Double Camellia Flowered Mixed.** Finest mixed. Pkt. 5 cts., ¼ oz. 25 cts.

Bean (Runner)

- 128 **Scarlet Runner.** (Hardy Annual Vine.) A rapid climber, flowering profusely. Grows 10 to 15 ft. high. Pkt. 5 cts., ¼ lb. 15 cts.

+++++
A Wild Flower Garden of great profusion may be produced by sowing broadcast Holco Wild Garden Flower seed in any suitable place. Sow 1 oz. per 100 square feet mixed with fine dirt for evenness of distribution. Price 20 cts. per oz.; 60 cts. per ¼ lb.; \$2.00 per lb. postpaid.
+++++

Bellis (English Daisy)

Hardy perennial which will stand the winter if given the protection of a little litter. In bloom from early spring until well in the summer. Easily raised from seed, which may be sown at any time from spring till Aug. For best results, new plants should be raised from seed each year.

- 140 **Monstrosa White.** Flowers very double, of immense size, 2 to 3 in. across and borne on long, strong stems. Pkt. 15 cts., 2 pkts. 25 cts.
- 141 **Monstrosa Rose.** Same description as white. Pkt. 15 cts., 2 pkts. 25 cts.
- 142 **Giant Longfellow.** Large double, pink flowers. Pkt. 10 cts., ¼ oz. 50 cts.
- 143 **Giant Snowball.** Large; perfect double; white. Pkt. 10 cts., ¼ oz. 50 cts.
- 146 **Giant Mixed.** Double fine mixture. Pkt. 10 cts., ¼ oz. 50 cts.

Campanula or Canterbury Bells

(Hardy perennial.) A family containing many beautiful border plants several varieties beautiful as pot-plants.

- 155 **Calycanthemum.** (Cup and Saucer). Delightful in form and colors, and elegant subjects for the garden or for pot culture. 2 to 2½ ft. Mixed. Pkt. 10 cts., ¼ oz. 60 cts.

Medium. (Single Canterbury Bell). Large, bell-shaped flowers in many shades. Elegant border or pot-plants. A proportion of seedlings will vary from color, while some single flowers will be found among the double-flowered seedlings. 2 to 2½ ft.

	Pkt.	¼ Oz.
158 Single Blue.....	\$0.05	\$0.25
159 Single Rose.....	.05	.25
160 Single White.....	.05	.25
163 Single Mixed.....	.05	.25

- 169 **Pyramidalis.** (Chimney Bell Flower.) Stately plants with stems 4 to 5 ft. high; fine for borders or as large, decorative pot-plants; large, broad, tubular flowers. Finest mixture of blue and white. Pkt. 5 cts., ¼ oz. 25 cts.



CAMPANULA (Cup and Saucer Canterbury Bells)

Cacalia

(Tassel Flower, or Flora's
Paint Brush)

(Hardy annual.) Of easy culture, with
tassel-shaped flowers; blooms from June to
September; fine for borders. 1½ ft.

180 Mixed. Pkt. 5 cts., ¼ oz. 25
cts.

Calendula

(Scotch Marigold)

(Hardy annual.) Very showy, thrifty
plants, particularly adapted for dry and poor
soils, although they thrive in any sunny loca-
tion. Extremely showy from late summer
until cut down by frost. 1 to 1½ ft.

188 Meteor. Large, double, yellow
striped with orange. Pkt. 5 cts.,
oz. 25 cts.

190 Orange King. Very large
double flowers of a dark orange-
red. Pkt. 5 cts., oz. 25 cts.

191 Lemon King. Very large double, pleasing shade
of lemon yellow. Pkt. 5 cts., oz. 25 cts.

California Poppy. (See Eschscholtzia.)

Calliopsis

(Hardy annual.) Very attractive, free-flowering plants of the
easiest culture, thriving in any ordinary soil. The new hybrids are
very showy and flowers range in color from bright yellow to deep
old-gold shades and from blood-red to deep brown. Quite commonly
two distinct colors are seen on one plant and even in one blossom.
Height 6 in. to 2½ ft.

195 Drummondii, Golden Wave. Bright yellow
flowers with brown center. Pkt. 5 cts., ¼ oz. 25 cts.

196 Hybrida. Mixed. A beautiful strain; quite bushy
in habit, some medium, others tall. Colors, very
bright and attractive, many individual plants having
flowers of two different colors; in size, blossoms vary
from small to large. 1 to 2 ft. Pkt. 5 cts., ½ oz.
20 cts.

197 Nigra Speciosa. A strong growing sort with good
sized flowers of rich reddish-maroon. Pkt. 5 cts.,
¼ oz. 25 cts.

Canary-Bird Vine

200 (Hardy annual.) A rapid-growing summer-climber,
growing 10 to 15 feet high. It will cover trellis work
in the most graceful manner, producing hundreds of
its pretty fringed bright yellow flowers, which re-
semble a canary bird with expanded wings. Pkt.
5 cts., ¼ oz. 25 cts.

Cardinal Climber

Strong and Rapid Climber

203 This glorious and absolutely distinct new annual
climber is undoubtedly the greatest acquisition to
the flower world in years, and the most beautiful and
brilliant climber ever grown. It is a strong and rapid
grower, attaining a height of twenty-five feet with
beautiful fern-like lacinated foliage and literally
covered with a blaze of fiery cardinal red flowers
from midsummer to frost. The flowers are about 1
inch in diameter and are borne in clusters five to
seven blooms each. Like all Ipomoeas it delights in
a warm, sunny situation and good, rich soil. The
seed should be soaked in water a few hours before
sowing and not planted outside until about May
first. Pkt. 10 cts., 3 pkts. 25 cts.

E. W. Hockensmith, Kent, O.—“The seeds that I got from
you last year did fine. I got very good returns from them all.”



GIANT HYACINTH—FLOWERED CANDYTUFT

Candytuft (*Iberis Umbellata*)

(Hardy annual.) Valuable for masses, edgings, and prized for
cutting. Sow outdoors in April, where it is to bloom, and thin well
when the plants grow about one inch. Sow also in July for Fall bloom-
ing. For cut-flowers thin plants to a foot apart in rows, and 1½ ft.
between the rows.

210 Giant Hyacinth—Flowered or Empress.

Immense pure white spikes invaluable for cutting, is
almost as fragrant as the Sweet Alyssum, and very
popular. Very useful as a bedding plant or for border
work. Pkt. 10 cts., ½ oz. 30 cts.

212 Lavender. Delicate shade. Pkt. 5 cts., ½ oz.
25 cts.

213 Crimson. Rich deep shade. Pkt. 5 cts., ½ oz.
25 cts.

Carnation (*Dianthus Caryophyllus*)

(Hardy perennial.) These may nearly all be flowered the first
season by sowing early. Seedlings possess great vigor and, as a
rule, produce more flowers than plants from cuttings.

219 Giant Marguerite or Malmaison. Early
flowering; seed sown in February will flower in June.
Fine for cut-flowers. Splendid mixture form largest
flowers. 1 ft. Pkt. 10 cts., ¼ oz. 25 cts.

220 Marguerite, Half-Dwarf. Finest double mixed.
Valuable cut flower varieties; sweet-scented and bloom
from July to frost, from Feb. sown seed. Flowers
large, with rich colors. 1 ft. Pkt. 10 cts., ¼ oz.
25 cts.

221 Chabaud's Everblooming. Produces a high
percentage of double flowers, blooming five to six
months after sowing. Pkt. 25 cts.

Castor Bean. (See Ricinus.)

Celosia (*Cockscomb*)

(Hardy annual.) Handsome and distinct: the comb like heads
may be grown to a large size and make fine decorative plants and
unique beds. Grows, 1½ feet: blooms August and September.

230 Cristata Nana, Empress. Enormous crimson
heads; dark foliage; dwarf. Pkt. 10 cts., ¼ oz. 30
cts.

231 Cristata, Mixed. Pkt. 5 cts., ¼ oz. 25 cts.

235 Plumosa. Thompson's Magnifica. A mix-
ture of improved varieties of splendid colors. 3 ft.
Pkt. 10 cts., ¼ oz. 25 cts.

Chinese Woolflower

(*Celosia Childsii*)

- 238 Without doubt this new *Celosia* is the most magnificent garden annual yet introduced. Its ease of culture and long continued blooming season, (July until frost), together with its massive bunches of wool-like flowers and glowing color, combine to make it the oddest as well as the showiest novelty for the general flower garden. Plants grow about three feet high, the bloom starting early with a globular central head of immense size, while numerous branches are sent out, each bearing a ball of scarlet wool, while each branch produces many laterals which also develop excellent heads of bloom that last until killed by frost and expand with a deepening richness of color to a deep crimson scarlet. Seed may be sown in open, after danger from frost, or sown in pots; may be transplanted when ground is ready. Pkt. 15 cts., 2 pkts. 25 cts.



BACHELOR'S BUTTON

Centaureas

(Hardy annual.) There is, perhaps, no more popular annual than the *Centaurea*. Will grow well anywhere and as a cut-flower is much in demand.

Cornflowers (*Centaurea Cyanus*)

Sometimes Called Bachelor's Button, Blue Bottle

Seeds should be sown in the spring or fall. When large flowers are wanted, plants should be thinned out to a space of say 8 square inches.

	Pkt.	oz.
253 <i>Cyanus</i> , Blue. (Bachelor's Button) ..	\$0.05	\$0.25
254 <i>Cyanus</i> , White .....	.05	.25
255 <i>Cyanus</i> , Mixed .....	.05	.25

Giant Sweet Sultans

(*Centaurea Imperialis*)

This beautiful class is undoubtedly the finest of all the Sweet Sultans for cutting purposes. Beautiful, deliciously sweet-scented flowers are borne on long, strong stems and are particularly striking, lasting several days after cutting. We recommend sowing in succession every two weeks from May until July, thereby giving a continuous bloom from summer to fall.

	Pkt.	¼ oz.
240 <i>Imperialis</i> , White	\$0.10	\$0.25
241 <i>Imperialis</i> , Purple .....	.10	.25
243 <i>Imperialis</i> , Rose .....	.10	.25
244 <i>Imperialis</i> , Mixed .....	.10	.25

- 245 *Suaveolens* (Yellow Sweet Sultan, or Grecian Cornflower). Very showy, large, bright yellow flowers; sweetly scented and a popular sort for cutting, lasting well. Pkt. 5 cts., ¼ oz. 25 cts.

White-Leaved Centaureas

(*Dusty Millers*)

Fine for bedding, vases, hanging-baskets and pots; also extensively used for margins. As an edging to a bed of dark-leaved *Cannas* or *Scarlet Sage* these are particularly effective. Sow the seed early indoors, and transplant in May.

- 248 *Gymnocarpa*. Fine-cut silvery foliage. Per 1000 seeds 30 cts., pkt. 10 cts.

- 250 *Candidissima*. Silvery white; leaves for bedding. Per 1000 seeds 50 cts., pkt. 10 cts.

Chrysanthemums

(Hardy annual.) Showy and effective garden favorites, extensively grown for cut flowers. The following hardy annuals are summer-flowering border plants, and quite distinct from the hardy perennial and autumn-flowering varieties:

- 270 *Single Mixed*. (Painted Daisies.) Many colors. Pkt. 5 cts., oz. 30 cts.

- 271 *Coronarium*, Double Mixed. Orange to white. Pkt. 5 cts., oz. 30 cts.

Shasta Daisies

- 359 *Alaska*. A splendid hardy perennial variety, with flowers rarely less than 5 inches across, of the purest glistening white, with broad overlapping petals, and borne on long strong stems; a beautiful cut flower, remaining in good condition a week or more. Pkt. 15 cts., 2 pkts. 25 cts.

- 360 *Shasta Daisy*. A general mixture saved from a large number of extra choice hybrids, and certain to produce a large number of varieties of great merit. Pkt. 15 cts., 2 pkts. 25 cts.

Cineraria

Very distinct and ornamental house plants, with magnificent heads of velvety bloom, the colors of which include white, very delicate to very dark blue, all shades of pink, carmine and crimson, with bicolors of crimson and white, blue and white, etc. Splendid large flowers.

- 295 *Dwarf Giant Flowering*. Large - flowering, prize strain. Unsurpassed for richness of colors and perfection of form. Pkt. 25 cts.

- 298 *Hybrida Stellata*. (Star Cineraria.) Star-shaped flower in many pleasing colors. Pkt. 25 cts.



GIANT SWEET SULTANS

Clarkia

(Hardy Annual.) Easily grown; flower freely, are showy in the border, good for cutting, and form nice pot-plants.

- 305 Double Mixed. 2 ft. All colors.. Pkt. 5 cts.,
¼ oz. 25 cts.

Cleome (*Spider Plant*)

(Hardy annual.) Tall, bushy plant, branching freely and continuously in bloom. If protected during first winter it will live another season, 4 ft.

- 310 Pungens. Pink flowers. Pkt. 5 cts., oz. 25 cts.

Coix Lachrymae (*Job's Tears*)

- 315 (Hardy annual.) A strong, broad leaved ornamental grass, with large shining, pearly seeds. 2 to 3 feet.
Pkt. 5 cts., oz. 10 cts.

Cobea (*Cups and Saucers Vine*)

(Hardy annual vine.) Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edge-wise, and merely cover with light soil.

- 320 Scandens. (Purple.) Pkt. 10 cts., ¼ oz. 20 cts.

Cockscomb (See Celosia)

Albert Sharp, Massillon, O.—"I received my orders promptly; your seed gave me excellent results."

Columbine (See Aquilegia)

Cosmos

(Hardy annual.) Beautiful autumn-blooming plants. Produce thousands of beautiful flowers in white, pink, and crimson shades, furnishing flowers for autumn decorations when other flowers are scarce. Should be sown in spring when danger of frost is past. Plant not less than 18 inches apart. When plants are a foot high, tops should be pinched out to induce a bushy growth.

	Pkt.	¼ oz.
329 Giant Lady Lenox, Pink.....	\$0.10	\$0.25
330 Giant Lady Lenox, White.....	.10	.25
331 Giant Crimson Ray.....	.10	.25
A pkt. of each color for 25 cts.		
334 Giant Mixed.....	.05	.15

Extra Early Mammoth Flowering Cosmos

These are the result of continued selection. For earliness and size this strain of Cosmos has been placed in a class by itself. The blossoms under ordinary cultivation average four to five inches across, surpassing in size any of the late varieties.

From seed sown in the open field the white blossoms in exactly sixty days, the pink in sixty-five days, and the crimson in seventy days.

	Pkt.	¼ oz.
335 Early Mammoth, Crimson.....	\$0.05	\$0.25
336 Early Mammoth, Pink.....	.05	.25
337 Early Mammoth, White.....	.05	.25
A pkt. of each color for 10 cts.		
338 Early, Mixed. All colors.....	.05	.20

Coleus

- 325 Large Leaved. Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature. Finest mixed. Pkt. 25 cts.

Coreopsis

- 339 Lanceolata Grandiflora. For description see page 62. Pkt. 10 cts., ¼ oz. 25 cts.

Cyclamen

A popular pot-plant for winter and spring flowering; blooms last a long time. Seedlings bloom in 8 to 10 months.

- 343 Papilio. (Butterfly.) Beautifully fringed or waved; mixed colors. Pkt. 40 cts.

- 344 Persicum. Choice mixed. Pkt. 10 cts.

Cypress Vine (*Ipomoea Quamoclit*)

(Hardy annual.) One of the most popular vines, with very delicate fern-like foliage and masses of beautiful, small, star-shaped flowers. Sow in May, first soaking the seeds in warm water for a few hours. 15 feet.

	Pkt.	¼ oz.
351 Scarlet.....	0.\$05	\$0.30
352 White.....	.05	.30
350 Mixed. White and scarlet.....	.05	.30

DAISY (See Bell.s)



COSMOS EARLY FLOWERING

Delphinium (*Larkspur*)

(Hardy perennial.) There is perhaps no better known hardy plant than the Delphinium. The beautiful flowers borne on tall stately spikes are a gorgeous sight. Sow seeds early indoors or in a hotbed. When about 1/2-inch high, transplant to flats 3 or 4 inches apart. Set out 6 inches apart in the garden. Plants treated thus usually flower first season during August. In the fall they may be lifted out and set out in groups of colors.

- 375 Gold Medal Hybrids.** This splendid strain is of strong, vigorous habit, with immense spikes from 2 to 3 feet long, of large flowers mostly in fine shades of light blue. We doubt very much if this wonderful strain can be surpassed. **Pkt. 15 cts., 4 pkts. 50 cts.**
- 376 Album.** The white-flowered form of the preceding. **Pkt. 5 cts., 1/4 oz. 25 cts.**
- 377 Formosum.** Large; rich dark blue, white center; borne on spikes 2 to 3 feet tall; one of the most popular varieties. **Pkt. 10 cts., 1/4 oz. 35 cts.**
- 378 Belladonna.** (Everblooming Hardy Larkspur.) The clear turquoise-blue of its flowers is not equaled for delicacy and beauty. **Pkt. 25 cts., 5 pkts. \$1.00.**
- 379 Cardinale.** A very beautiful cardinal-scarlet; plants grow about 18 inches high. **Pkt. 15 cts., 1/4 oz. 40 cts.**

Dianthus or Pinks

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming profusely until fall, rendering them most satisfactory for summer flower gardens. Sow out-of-doors when danger of frost has passed and they will, in several weeks become a mass of bloom, continuing until frost.

Single Pinks (Hardy Annual)

All the single sorts have large flowers 2 to 3 inches in diameter; their many and brilliant colors make them very desirable for beds and borders; 1 foot.

- 390 "Eastern Queen."** Beautifully marbled rose and mauve flowers. **Pkt. 5 cts., 1/4 oz. 25 cts.**
- 391 "Crimson Belle."** Rich velvety-crimson. **Pkt. 5 cts., 1/4 oz. 25 cts.**
- 392 Punctatus.** (Princess Pinks.) A very novel variety, with fringed flowers, mottled, flaked, spotted and striped in the greatest diversity of colors. **Pkt. 10 cts., 1/4 oz. 40 cts.**
- 393 Heddewiggii.** (Single Chinese Pink.) Finest selected single-flowered, mixed. **Pkt. 5 cts., 1/4 oz. 25 cts.**

Double Pinks (Hardy Annual)

- 395 Snowball.** Fringed double white, splendid for cutting or as a border. **Pkt. 5 cts., 1/4 oz. 30 cts.**
- 396 Fireball.** Rich, blood-red flowers. Makes a striking contrast to the pure white variety Snowball. **Pkt. 5 cts., 1/4 oz. 30 cts.**
- 397 Mourning Cloak.** Rich, blackish, velvety crimson, margined with pure white. **Pkt. 5 cts., 1/4 oz. 30 cts.**
- 398 Chinese Double Pinks.** Blooms in clusters, flowers very double and in a large range of bright colors. **Pkt. 5 cts., 1/4 oz. 25 cts.**
- 399 Nobilis.** (Double Royal Pinks.) Flowers of largest size, varying in color from scarlet to dark blood-red and rose to white. **Pkt. 10 cts., 1/4 oz. 50 cts.**



DIANTHUS (Pinks)

Garden Pinks (*Dianthus Plumarius*)

(Hardy perennial.) These varieties are well adapted for beds and borders; delightful, refreshing, spicy odor; should be in every garden where cut flowers are wanted, and make a fine edging to a hardy border.

- 405 Plumarius FL. PL.** (Double Hardy Garden Pinks.) Double and semi-double varieties in beautiful colors. **Pkt. 10 cts., 1/4 oz. 50 cts.**
- 406 Plumarius Semperflorens.** (Florist's Pink.) Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of color. **Pkt. 15 cts.**
- 408 Plumarius.** (Clove Pink, Scotch Pink, or Pheasant eye Pink.) A beautiful single hardy Pink, with fringed-edged white flowers, with a dark centre. **Pkt. 5 cts., 1/4 oz. 25 cts.**

Digitalis ("Foxgloves")

(Hardy perennial.) These are beautiful perennials for the border etc., and some are elegant pot-plants, blooming very readily in 4-inch pots in spring. For this purpose seed should be sown in August and grown slowly during the winter.

- 415 Finest Large Mixed.** The tall spikes are surmounted by one monstrous flower, all colors mixed. **Pkt. 10 cts., 1/4 oz. 40 cts.**

Dimorphotheca (*Aurantiaca*)

- 425 African Golden-Orange Daisy.** This is by far one of the best introductions in recent years. The plants are of branching habit, growing about 15 inches high; the flowers are of rich golden orange with a dark center. Being an annual it is easily cultivated and will give a magnificent display all summer; very highly recommended. **Pkt. 10 cts., 3 pkts. 25 cts.**

Lawn Grass Seed. Use "Holco Velvet Green Lawn" Seed for best results

Dolichos (*Hyacinth Bean*)

(Annual climber.) Rapid growing climber, bearing bean-like flowers.

- 430 **Darkness.** A variety from Japan; rapid grower; flower reddish violet. Pkt. 5 cts., oz. 25 cts.
- 431 **Daylight.** Identical to the above except in color, which is pure white. Pkt. 5 cts., oz. 25 cts.

Euphorbia

(Hardy annual.) Plants with ornamental foliage; very showy and easily raised from seed; height 2 ft.

- 450 **Variegata.** (Snow on the Mountain.) Annual; foliage margined and veined white; 2 ft. Pkt. 5 cts., oz. 30 cts.
- 454 **Heterophylla.** (Mexican Fire Plant.) Annual. Large, glossy green leaves, turning orange scarlet in mid-season. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Eschscholtzia (*California Poppy*)

(Hardy annual.) With fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 ft.

- 440 **Californica.** Rich orange. Pkt. 5 cts., oz. 30 cts.
- 441 **Golden West.** Yellow with orange center. Pkt. 10 cts., oz. 40 cts.
- 445 **Crimson Flowering.** Beautiful clear rosy crimson flowers, producing profusely. Pkt. 5 cts., oz. 50 cts.
- 447 **Finest Flowering Mixed.** New large flowering erect type containing a large percentage of new shades in Eschscholtzias and includes soft pink, scarlet, chrome copper red, claret and royal purple. Pkt. 5 cts., oz. 50 cts.

Everlasting Flowers

- 456 **All Varieties Mixed.** (Hardy annual.) The so-called everlasting or straw flowers are of eternal beauty, those that never fade. Unsurpassed for winter decoration, and when made into bouquets or arrayed in vases, they last for years. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Feverfew (*Matricaria*)

- 460 **Double White.** (Hardy annual.) Free flowering; for bedding or pot culture; showy double white flowers; 18 in. Pkt. 5 cts., oz. 40 cts.

Forget-Me-Not (See *Myosotis*)

Foxglove (See *Digitalis*)

Four O'clock (See *Marvel of Peru*)

Gaillardia (*Blanket Flower*)

(Hardy annual.) A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear the entire season on stout erect stems often 15 to 18 in. in length.

- 475 **Picta Lorenziana, Double, Mixed.** Beautiful colors, flowering from mid-summer to frost; fine for bedding or cutting; $1\frac{1}{2}$ ft. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Gaillardia. (Hardy Perennial.)

- 476 **Grandiflora Compacta.** Fine, compact plants, blooming freely; color yellow and crimson; $1\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Godetia (*Satin Flower*)

(Hardy annual.) Very neat and free-flowering annuals that will be satisfactory for edging and for solid beds; for a blaze of color they will vie with the nasturtiums. Should not be planted in too rich soil. In bloom from June to Oct. Plant about 1 ft. apart.

- 490 **Finest Mixed.** Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Gourd (*Ornamental*)

(Hardy annual.) Rapid growing climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit.

- 495 **Sugar Trough.** Used as water holders. Pkt. 5 cts., oz. 25 cts.
- 496 **Dipper.** Very useful. Pkt. 5 cts., oz. 25 cts.
- 497 **Japanese Nest Egg.** Pkt. 5 cts., oz. 25 cts.
- 498 **Pipe Calabash.** Pkt. 5 cts., oz. 25 cts.
- 499 **Luffa.** (Dish-Cloth, Sponge or Bonnet Gourd.) Pkt. 5 cts., oz. 30 cts.
- 500 **Mixed.** Pkt. 5 cts., oz. 20 cts.

Gypsophila (*Baby's Breath*)

All have graceful panicles of small flowers that are elegant for cut-flower purposes.

- 520 **Paniculata.** The perennial variety that is easily grown from seed, equally useful for cutting, and a fine border plant; branches may be used for winter bouquets. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

- 522 **Elegans.** The annual variety. Improved large white-flowered. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

Helianthus
(*Sunflower*)

(Hardy annual.) Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens.

- 530 **Double Crysanthemum-Flowered.** Rich, golden-yellow flowers, perfectly double, resembling a Chrysanthemum or Dahlia, 7 ft. Pkt. 5 cts., oz. 35 cts.

- 531 **Cucumbrifolius.** An improvement on the type. Small deep orange flowers with dark discs; 2 ft. Pkt. 5 cts., oz. 30 cts.



FOXGLOVE See Page 70

Grace Ewing, Jeromeville—"The seeds we ordered last year all grew fine."

Red Sunflower

- 535 For countless thousands of years Sunflowers of all kinds have brightened earth with flowers of golden yellow. And now nature has suddenly given us a Sunflower with blossoms of a beautiful chestnut red. As easily grown as any of the common Sunflowers. The flowers vary in color from a rich chestnut red, to red variously bordered or tipped with yellow. A striking novelty in the gardens, and the gorgeous, long-stemmed blooms are beautiful and lasting as cut flowers. Pkt. 10 cts., 3 pkts. 25 cts.



STRAWFLOWER

Helichrysum (Strawflower)

- 540 Effective double flowers, making a fine display in beds or borders; they succeed in any rich garden soil; give them plenty of room to develop, planting not closer than 12 in. apart; hardy annuals; 2½ ft. Pkt. 5 cts., ¼ oz. 20 cts.

Heliotrope

(Hardy annual.) Well known and highly prized on account of the delightful fragrance of the flowers; excellent for pots, or for bedding; 18 in.

- 545 **Lemoine's Giants.** Produces a profusion of flowers; nearly double the size of the old sort; mixed colors. Pkt. 10 cts., ⅓ oz. 40 cts.

Honesty (Moonworth)

- 548 Hardy biennial, admired for its silvery seed pouches, which are used for house ornaments, as they present a beautiful and rather curious appearance; 2 ft. Pkt. 5 cts., ¼ oz. 20 cts.

Hollyhock

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 ft.

- 550 **Annual Mixed.** Will bloom first season if sown in the house in March. Pkt. 10 cts., oz. \$1.00.
555 **Chater's Snow White.** Pkt. 10 cts., oz. \$1.25.
556 **Chater's Canary Yellow.** Pkt. 10 cts., oz. \$1.25.
557 **Chater's Pink.** Pkt. 10 cts., oz. \$1.25.
558 **Chater's Deep Rose.** Pkt. 10 cts., oz. \$1.25.
559 **Chater's Double Mixed.** Pkt. 10 cts., oz. \$1.00.
560 **Allegheny Mixed.** Double and showy mammoth flowers, edges fringed and laciniated; mixed. Pkt. 10 cts., oz. \$1.00.

Humulus (Japanese Hop)

(Hardy annual.) A rapid growing climber with luxuriant foliage.

- 571 **Variegatus.** Leaves mottled with white. Pkt. 5 cts., oz. 50 cts.

Hunnemannia

- 575 **Fumariaefolia.** (Giant Yellow Tulip Poppy, or Bush Eschscholtiza.) Hardy annual. Produces in profusion large, yellow, poppy-like blossoms. In bloom from mid-summer until frost. Pkt. 10 cts., ¼ oz. 25 cts.

Hyacinth Bean (See Dolichos)

Iberis (Hardy Candytuft)

- 578 **Sempervirens.** A profuse white-blooming, coming in flower early in the spring; much used for cemeteries, rockeries, etc. 1 ft. Pkt. 15 cts.

Ice Plant

(Hardy annual.) Interesting dwarf ornamental foliage plants of great beauty; love a sunny situation, bloom all summer.

- 665 **Mesembryanthemum.** (Crystallinum.) Flowers white; foliage covered with ice-like globules. Pkt. 5 cts., ¼ oz. 15 cts.

Impatiens (Sultan's Balsam)

A charming plant for house and conservatory decoration.

- 580 **Holstii Hybrids.** The colors offered in these New Hybrids are beautiful and of many shades. Pkt. 15 cts.
581 **Sultani Hybrida.** Colors ranging from pale pink to dark crimson. Pkt. 15 cts.

Japanese Hop (See Humulus)

Job's Tears (See Coix)

Kochia

(Summer Cypress or Mexican Fire Bush)

- 590 **Tricophylla.** (Hardy annual.) A very handsome, symmetrical plant, forming beautiful globose specimens without pruning or pinching; leaves assume crimson tint in the fall; 3 ft. Pkt. 5 cts., ¼ oz. 50 cts.

Kudzu Vine (Japanese)

- 595 **Pueraria Thunbergiana.** The fastest growing hardy climbing plant. It will grow 8 to 10 feet the first year from seed, and after it has become established there seems to be no limit to its growth, 50 feet in a single season being not unusual. Its foliage is large and covers well; it bears small racemes of rosy-purple, pea-shaped blossoms toward the close of August. A splendid subject for covering permanently verandas, dead trees, etc. Pkt. 10 cts., ¼ oz. 25 cts.

Lantana

Verbena-like clusters of flowers, some changing color as the bloom ages. They are handsome bedding plants and beautiful for pots. The habit of the New Hybrids is a great improvement, these being fine, dwarf and compact plants. Seed may be sown as late as March.

- 600 **Hybrida Compacta.** New dwarf varieties. Fine mixed. Pkt. 10 cts., ¼ oz. 25 cts.

Mrs. Andrew Bauer, Trumbull Co., O.—"All the seeds that I bought from the Holmes-Letherman Seed Co. gave excellent results."

Harry Jenkins, Harrison Co., O.—"The garden seeds ordered from you are all growing fine."

Mrs. S. J. Lucas, Ashland Co., O.—"Had seed from you this year and am well pleased with the way they germinated. My garden looks fine."

Larkspur

(Hardy annual.) These are among the best-known garden flowers, and in recent years a vast improvement has been effected by careful selection in size and color of the blossoms and the general habit of the plant. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost, a record that is not surpassed by any other annual. They make handsome beds of lines, and their free, graceful habit and bright colors are very effective when interspersed in the old-fashioned flower or shrubbery border. They stand well when cut, and a vase of one or mixed colors is indeed charming.

370 Dwarf Double Rocket Mixed. Among the first to flower. Very choice strain. Pkt. 5 cts., oz. 25 cts.

373 Tall Double Rocket Mixed. These are early varieties, fine for borders or among shrubs and useful for cutting. Beautiful shades, 2½ ft. Pkt. 5 cts., oz. 25 cts.

Lathyrus

(Everlasting, or Hardy Sweet Pea)

(Hardy perennial.) Everlasting Sweet Pea, with flowers much like the annual sort, but without fragrance. Produces showy, climbing vines suitable for screens, trellises, etc., and flowers all summer.

605 Latifolius Mixed. Pkt. 5 cts., oz. 40 cts.

Lavatera (Annual Mallow)

610 Splendens Rosea. A compact shrubby-like annual plant with glossy foliage and bright pink mallow-like flowers; splendid for cutting and decorative work; easily raised from seed. Pkt. 10 cts., ¼ oz. 25 cts.

Lavender (Lavendula Vera)

615 Well-known hardy perennial, bearing long spikes of fragrant blue flowers; 18 in. Pkt. 5 cts., oz. 75 cts.

Linaria (Kenilworth Ivy)

620 Cymbalaria Maxima. (Hardy annual.) Glossy, ivy-like foliage. New, large-flowered varieties. Color, white to rose. Very neat trailing plant for boxes, baskets, etc. Pkt. 10 cts.

Linum (Scarlet Flax)

625 Grandiflorum Rubrum. (Hardy Annual.) Ideal for bedding; dwarf and compact, with light-green foliage and bright scarlet flowers. Pkt. 5 cts., oz. 25 cts.

Love-In-A-Mist (See Nigella)

Lobelia

(Hardy annual.) Extensively used for bedding, being valuable for blue edging. Also elegant for baskets, pots, etc. Require a good soil for best effect.

630 Crystal Palace Compacta. Foliage dark; flowers rich, deep blue; the best bedder. Pkt. 10 cts., ⅓ oz. 50 cts.

631 Emperor. Deep blue; dwarf and nice. Pkt. 10 cts., ⅓ oz. 60 cts.

633 Specosia. Blue trailing. Pkt. 5 cts.

634 Cardinalis. (Cardinal Flower.) Hardy perennial. A native species, succeeding best in moist situations; flowers intense scarlet; August to October, 3 ft. Pkt. 15 cts.

Lupinus (Lupine; Sun-Dial)

(Hardy annual.) Free flowering, easily grown plants with long spikes of pea-shaped flowers; excellent for cutting; will bloom in 6 weeks after sowing; 2 ft.

640 Mixed. Annual sorts. Pkt. 5 cts., oz. 20 cts.



LUPINUS

Marigold (Tagetes)

African or Tall Marigolds. (Hardy annuals.) Plants grow two and a half feet high and produce large double flowers two and a half to three inches in diameter.

650 Lemon Queen. Very large, globular, double yellow flowers. Pkt. 5 cts., oz. 75 cts.

651 Orange Prince. Flowers very large, of a rich orange color. Pkt. 5 cts., oz. 75 cts.

652 African Double Mixed. Pkt. 5 cts., oz. 30 cts.

Marigolds, Dwarf French. This Dwarf French class forms ball-like bushes, with fine foliage.

653 Legion of Honor. Single; bright yellow with dark crimson spots or blotches; a good bedder. Pkt. 5 cts., oz. 35 cts.

654 Dwarf Double Mixed. Pkt. 5 cts., oz. 30 cts.

655 Striped Gold. Double, brownish-red striped. Pkt. 5 cts., oz. 30 cts.

Clayton A. Briggs, Salem, O.—“We were very well pleased with all the seeds received from you last year.”

Matricaria (See Feverfew)

Marvel of Peru (Four O'clocks)

660 Choice Mixed. (Hardy annual.) Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 ft. Pkt. 5 cts., oz. 15 cts.

Mimosa (Sensitive Plant)

680 Pudica. (Hardy annual.) Curious, interesting, with pinkish-white flowers; the leaves close and droop when touched or shaken; 1½ ft. Pkt. 5 cts., ⅓ oz. 25 cts.



MORNING GLORY

Mignonette

(Hardy annual.) Valuable for cutting on account of its fragrance; sow in succession during the whole summer; may also be forced in greenhouses during winter.

670 Miles' Spiral. Of strong, branching habit, with spikes from 8 to 10 in. long; very fragrant. Pkt. 5 cts., oz. 25 cts.

671 Large Flowering Mixed. Pkt. 5 cts., oz. 25 cts.

673 Golden Machet. Distinct variety of Machet, with massive spikes of golden-yellow blossoms. Pkt. 10 cts., oz. 50 cts.

674 Goliath. Giant trusses of red flowers borne on long, heavy spikes. One of the best for growing indoors; 1 ft. Pkt. 10 cts., oz. 50 cts.

675 Defiance. When grown under favorable conditions spikes will not only be of remarkable size—from 12 to 15 inches long—but deliciously fragrant. The individual florets are of immense size, forming a graceful as well as compact spike. Of extraordinary keeping qualities, retaining their grace and fragrance until every bud opens. Pkt. 10 cts., oz. 60 cts.

676 Parson's White. Large spikes, pure white, very fragrant. Pkt. 5 cts., oz. 35 cts.

Mrs. M. Anderson, Mayville, N. Dak.—“The seeds and bulbs we received we were very well pleased with.”

Mimulus

(Hardy annual.) Showy, profuse-flowering plants; fine for greenhouse or moist, shady situation. Blooming the first year from seed if sown early; 1 ft.

685 Moschatus. (Musk Plant.) Fine for hanging-baskets, etc.; small yellow flowers, fragrant foliage. Pkt. 10 cts., 3 pkts. 25 cts.

686 Tigrinus. (Monkey Flower.) Very beautiful, large-flowered, tigered and spotted; very showy; 9 in. Pkt. 10 cts., 3 pkts. 25 cts.

Momordica

(Hardy annual.) Ornamental vine for trellis, etc.; flowers followed by golden yellow, warty fruits; 10 ft.

688 Balsamina. (Balsam Apple.) Apple-shaped. Pkt. 5 cts., oz. 30 cts.

689 Charantia. (Balsam Pear.) Pear-shaped. Pkt. 5 cts., oz. 30 cts.

Moon Flower

Climbers of rapid growth, with beautiful and varied flowers; for covering walls, trellises, arbors, or stumps of trees they are invaluable; it is well to soak the seed in warm water over night to assist in rapid germination.

586 Grandiflora. (Moon Flower.) At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly and will cover a large surface. Pkt. 10 cts., oz. 50 cts.

588 Skyblue Moonflower. This strain is the result of a long-continued selection and bursts into full bloom very quickly. Its lovely flowers, one hundred and fifty of which are frequently expanded at one time on the same plant, are from four to five inches across. Pkt. 10 cts., 3 pkts. 25 cts.

Morning Glory (Convolvulus)

(Hardy annual.) One of the most popular climbers. Rapid grower.

695 Japanese Imperial Mixed. Flowers of large size, and great variety of colors. Pkt. 5 cts., oz. 25 cts.

696 Giant Mixed. All shades; mammoth size. Pkt. 5 cts.

697 Heavenly Blue. Charming and distinct. Flowers are extra large in size, a lovely light blue, outlined with a narrow band of silvery white. Pkt. 10 cts., oz. 35 cts.

Myosotis (Forget-me-not)

These are lovely plants for moist and shady situations. These flower the first year from seed. Sown in spring they flower in the fall; if wanted for springflowering sow in July and transplant in the fall; 1 ft.

700 Alpestris, Victoria. Dwarf and bushy. Also very early, flowering 8 to 10 weeks after sowing; large bright blue flowers. Pkt. 10 cts., 1/8 oz. 35 cts.

701 Alpestris, Mixed. Pkt. 5 cts., 1/4 oz. 25 cts.

703 Palustris. The true “Forget-me-not.” Bright blue flowers. Pkt. 10 cts., 1/8 oz. 50 cts.

Nasturtiums (Tall or Climbing)

(Hardy annual.) For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 ft.

710 Butterfly. Lemon-yellow, upper petals marked dark red, lower petals marked terra-cotta red. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts.

711 Midnight. Foliage very dark green, flowers deep brownish red. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts.

712 Rose. A lovely shade of rose. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts.

714 Jupiter. Large, golden-yellow flowers, on long stems. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts.

715 Sunlight. Pure, rich butter-yellow flowers, often 3 in. across. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts.

716 Moonlight. Very light cream flowers, of largest size. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts.

717 Twilight. Large, beautiful flowers, salmon-rose, suffused scarlet. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts.

718 Crystal Palace. Bright, orange-scarlet marked with bronze. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 60 cts.

“HOLCO” TALL, FINEST MIXED NASTURTIIUMS

721 This mixture is comprised of the most brilliant colorings, of both the Lobbinum Nasturtiums and many choice tall named varieties with both light and dark green foliage. Pkt. 5 cts., oz. 15 cts., 1/4 lb. 50 cts. postpaid.

Those who know, always sow “Holco Seeds”



NASTURTIIUMS

Nasturtiums

(Tom Thumb, Dwarf or Bedding)

- 730 **Aurora.** Rich yellow, veined carmine. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 731 **Crystal Palace Gem.** Sulphur yellow, spotted maroon. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 732 **Deep Crimson.** Deep velvety red, brown and brownish crimson. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 733 **Rudolph Virchow.** Soft rosy pink. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 734 **Midnight.** Plants of extremely dark green foliage. Flowers deep brownish red. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 735 **Rose Pink.** Soft rose color. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 736 **Pearl.** Creamy white. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 737 **Queen.** Dwarf, dense bushes, with variegated foliage and flowers in a large variety of colors. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.
- 740 **"Holco" Dwarf Finest Mixture.** This mixture is composed of choice large-flowered varieties, selected and grown both in mixture and in separate strains, properly blended. When in full bloom, are extremely gorgeous, remarkable both for brilliancy of coloring and for perfection of individual flowers. This seed is now so moderate in price that it should be sown liberally. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., postpaid.

Nicotiana (Tobacco)

- 755 **Affinia.** (Tuberosc-Flowered Tobacco.) Hardy annual. Sweet scented, pure white, tubular flowers, blooming continually; 2 to 3 ft. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.
- 757 **Sanderae.** A splendid type in a great variety of colors. Pkt. 10 cts., 3 pkts. 25 cts.

W. H. Bastard, Lorain Co., O.—"I wish to thank you for the California Poppy seeds, and others that you sent me last year. They were admired by all who saw them, and a source of beauty from spring until frost. We are starting in gardening, and are sending our order to you."

Penstemon (*Beard Tongue*)

(Hardy perennial.) A beautiful plant, producing large spikes of handsome flowers.

- 820 **Large Flowering Mixed.** Producing large spikes of handsome flowers; 3 ft. Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

Nigella (*Love in a Mist*)

- 765 **Damascena.** (Hardy annual.) Showy, with finely-cut foliage, and centaurea-like flowers, blue and white mixed; 1 ft. Pkt. 5 cts., $\frac{1}{2}$ oz. 25 cts.

Pea, Everlasting (See Lathyrus)

Geo. Lindner, Marquette Co., Wis.—"We wish to acknowledge the success we had the past two years in growing your seeds. We have found them to be the best we have ever sown, good to grow and good to produce."



NICOTIANA AFFINIA



"HOLCO" GIANT FANCY MIXED

J. F. Hammer, N. H.—"Last summer I bought Pansy Seed from different Seedsmen to see whose strain I liked the best. I will say your varieties gave me the best results."

"Holco" Giant-Fancy Mixed

771 These largest and most beautiful of all blotched Pansies have been developed after years of close selection by a skilled market grower who raises no other strain than this which he has improved to such a wonderful degree. The well-formed expanded flowers are uniformly of the largest size. Of varied ground colors, such as white, cream, yellow, deep orange, mahogany, claret, rose, reddish bronze, lavender, and light blue, each petal is beautifully blotched. The seed necessarily is very expensive, but well worth all it costs. Pkt. 20 cts., 3 Pkts. 50 cts.

Giant-Flowered Pansies in Mixtures

775 "Holco" Giant Exhibition. This is a fine strain, the flowers being of perfect form and richest colors. For frame culture this variety is unexcelled, producing flowers of great size and perfection; equally good out of doors. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts.

777 Masterpiece. (Giant Ruffled.) A remarkable type, each petal being conspicuously curled or waved. The range of color is very extensive, the rich, dark, velvety shades predominating. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.

778 Mastodon Mixed. Extra large, colors are wonderful; something worthy of trial. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts.

781 Mme. Perret. A new and beautiful strain, originated with a French specialist, flowers of large size borne very freely in great diversity of colors, especially rich in red and wine shades. The stock we offer comes direct from the introducer. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts.

780 Trimardeau or Giant Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts., oz. \$3.50.

Giant-Flowered Pansies—Separate Colors

785 Bridesmaid. A beautiful clear white, with shining rose-colored blotch; a rare pansy of large size. Pkt. 15 cts.

786 Bronze Mastodon. New, very large. All the different shades from burnished brass to gold. Pkt. 10 cts.

787 Black Mastodon. New. The finest and largest black. Pkt. 10 cts.

788 Emperor William. Rich deep blue. Pkt. 10 cts.

791 Grand Duke Michel. The finest and largest all-white pansy in the world. Pkt. 10 cts.

792 Lord Beaconsfield. Purple violet shading to white. Pkt. 10 cts.

793 Madame Steele. Elk's purple. Pkt. 10 cts.

794 Mercury. Deep black-purple-red. Pkt. 10 cts.

795 Panama-Pacific Yellow. New. A huge deep yellow; some with dark centers, some without. Pkt. 10 cts.

796 Parisian Yellow. A pure yellow of the grandest form and size. Pkt. 10 cts.

797 Prince Henry. Rich royal blue. Pkt. 10 cts.

Collection, containing a packet each of above named sorts, 90 cts.

"Holco" Giant-Flowered Pansies

If your soil is not of the quality of first-class potting soil prepare your beds for sowing as follows:

(1) Your ground being perfectly clean and free of weeds and trash, pulverize the soil to a depth of 6 or more inches. (2) On the level surface spread evenly a layer of pulverized manure, barnyard scrapings preferred, to a depth of at least 1 inch. (3) Overlay manure with half inch of the best soil you have thoroughly pulverized. (4) Roll or rake down and tamp surface true and smooth. (5) Use the hose freely and soak down the bed several inches. (6) Sow your seeds in drills or broadcast— (7) Cover as lightly as possible with your best soil or sand. Sand is best. (8) Use light spray of water to moisten surface. (9) Allowing plenty of ventilation, keep your beds moist, but not soaking wet until plants come up.

Never allow your beds to become dry. Any dryness after seeds sprout is absolutely fatal.

These directions are for sowing in the open field, but will apply when using flats or cold frames. An ounce of seed sows 60 to 75 sq. ft.

We estimate 5 to 6 thousand plants per ounce.

When ordering, ask for our Leaflet on Pansy Culture.

Mrs. W. C. Green, Glenardene, North Canton Rd.—"The 'Holco' Giant Pansy was a great success. All of the seed seemed to grow, as I had pansy plants to give away by the dozens. They bloomed all summer and are at present date with quite a few flowers."



PETUNIA GIANT RUFFLED FRINGED

Petunia

We advise sowing seed thinly in shallow boxes of light, rich soil in any sunny window of a room during February or March. When plants are well started, transplant to small pots or boxes. Do not discard the smaller plants, as these are quite apt to produce the finest flowers, especially in double flowered strains. When weather beams warm, and trees are well in leaf, these plants may be set out in rich soil 12 inches apart each way. Bedding kinds can be sown outdoors in May.

Giant Ruffled Fringed

- 825 Giants of California.** One of the largest varieties; bright and desirable colors; strong, robust plants. Pkt. 15 cts.
- 826 Howard's Star.** Very free-flowering. A blush-pink star on maroon ground. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.
- 827 Giant Ruffled Fringed.** Our grower has specialized in crossing Petunias, selecting for the purpose each year, the strongest, finest varieties susceptible to further improvement. As a consequence, these Petunias are unexcelled the world over in size and color. Almost every color and color combination has been attained, and their remarkable beauty is certainly difficult to describe. These Petunias were awarded the Gold Metal at the California Land Show. Pkt. 25 cts.
- 828 Rosy Morn.** A lovely carmine-pink with white throat; bushy and very dainty. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.
- 830 Finest Mixed.** Bright color. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

A. Pearce, Akron, O.—“Am very glad I came down to your seed store. You have a fine store and I received such kind attention. You also have a very good grade of seeds.”

Percy Lewis, Grafton, O.—“The seeds I received were very nice.”

Double-Flowering Petunias

- 832 Large-Flowering, Double, Mixed.** A superb mixture of finely fringed varieties in many colors. Pkt. 25 cts. Trade Pkt. 1000 seeds, \$2.00.

T. J. Mason, Lorain Co., O.—“Thanking you for your promptness in filling our orders.”

Phlox Drummondii

(Hardy annuals.) The Phlox Drummondii is one of our best annuals, flowering freely all the summer. For richness of color they cannot be surpassed. They are invaluable for beds and ribbon-gardening, therefore no garden should be without them. They should be sown outdoors in May, in a situation well open to the sun, and they will flower and be a mass of color in July and continue until late autumn. Seeds may be sown in a hotbed in March and flowers be had in June.

- 840 Phlox Drummondii.** Mixed colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.
- 845 Starred and Fringed.** Of dwarf habit, with very pretty star-shaped flowers. A novel variety; mixed colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
- 847 Hardy Perennial Phlox.** Hardy herbaceous perennial and quite distinct from the varieties of Phlox Drummondii offered above, which are annuals. For best results should be sown as soon as frost is out of the ground in spring or as soon as gathered in the autumn. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Pink (See Dianthus)

Charley Peshamus, N. Y.—“Please send me Holco Seed Book, the seeds I got of you last year were fine. I would like to send my order as soon as possible.”



PHLOX DRUMMONDII

Poppies

Poppies are unsurpassed for brilliancy of color, from the charming little Shirley to the gorgeous peony-flowered they are subjects of lavish admiration. As they do not transplant satisfactorily, it is advisable to sow where they are to remain. Many are elegant for cutting, particularly the Shirleys; these, if picked early in the morning with buds just showing color, will be found durable for 2 days or more.

Single Annual Poppies

850 "Holco" Select Shirley. This is an extra fine strain of these charming poppies. They are single, and range in colors from the purest white through the delicate shades of pale pink, rose and carmine to the deepest crimson and blood-red, while many are edged and striped. Pkt. 5 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

851 Tulip Flowered. A beautiful poppy, resembling a large tulip; color, a dazzling scarlet; 1 ft. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Double Annual Poppies

854 Cardinal. Large; fringed; scarlet; very effective. Pkt. 5 cts., oz. 30 cts.

855 Carnation Flowered. A splendid border variety. Large, very double, fringed flowers in brilliant colors; $2\frac{1}{2}$ ft. Pkt. 5 cts., oz. 20 cts.

857 Mikado. (The Striped Japanese Poppy.) This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum. Pkt. 5 cts., oz. 25 cts.

858 Paeony Flowered. Large, showy, double globular flowers, resembling a double peony, mixed colors. Pkt. 5 cts., oz. 20 cts.

Mrs. Lillian E. Muckelburg, Wellington, O.—"The seeds I received from you were perfectly satisfactory."

Hardy Perennial Poppies

These varieties may be sown from July to Sept. to flower the following season, though the Iceland variety will flower the first season from seed sown in Feb.

860 Iceland. Very graceful, dwarf plants containing over 20 shades; 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

861 Orientale. (Oriental Poppy.) Gigantic, dark scarlet flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

862 Oriental Hybrids. A splendid mixture of all colors, rose, lilac and mauve shades included; very fine for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

864 Mrs. Perry (Oriental.) Rich salmon pink. Pkt. 10 cts.

Portulaca (Sun Plant)

(Hardy annual.) Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

870 Single Mixed. All colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

871 Double Mixed. All colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Mrs. S. J. Smith, Wis.—"We were well pleased with seeds obtained from you."



FRINGED CHINESE PRIMROSE

Primula (Primrose)

Fringed Chinese Primroses

This beautiful Chinese Fringed Primrose is indispensable for spring decoration in the home or conservatory, and ranks as one of the finest of all winter-blooming pot-plants grown by the florist or the home gardener. Our giant Fringed strain is of the highest merit and is carefully selected. Sow in March, April and May.

875 Giant Mixed. Superb mixture. Pkt. 35 cts.

878 Stellata. (Star Primrose.) Very fine as pot-plants or for cutting, remaining fresh for many days. Mixed. Pkt. 25 cts.

Various Primroses

880 Kewensis. (Verbena Scented Primrose.) Very attractive, pleasing bright yellow flowers borne on long spikes. Very fragrant, excellent house plant. Pkt. 25 cts.

882 Obconica Grandiflora Mixed. Improved strain of large flowering type. These are easy culture. To develop the colors to the highest degree, grow in heavy soil, and at a temperature as near 60 degrees as possible. Pkt. 20 cts.

885 Malacoides. (Large Baby Primrose.) A fine house plant; flowers delicate lilac. Pkt. 25 cts.

Hardy Primrose

890 Vulgaris. (English Primrose.) Canary yellow; fragrant. Pkt. 10 cts.

Pyrethrum

895 roseum. (Insect Powder Plant.) New, large or giant-flowered varieties, ranging from light pink to carmine-red. Elegant for cutting, plants perfectly hardy. Pkt. 10 cts., $\frac{1}{4}$ oz. 65 cts.

898 Aureum. (Golden Feather.) Fine little plant for bordering and edging beds, contrasting very nicely with its bright yellow foliage. 6 in. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Ricinus (Castor Oil Bean)

(Hardy annual.) These ornamental plants are used with great effect on lawns, as centerpieces in flowering beds such as cannas, etc.

- 995 **Borboniensis.** Beautiful green foliage; 15 ft. Pkt. 5 cts., oz. 15 cts.
 996 **Zanzibariensis.** Enormous leaves varying in color from light green to purplish red; 12 ft. Pkt. 5 cts., oz. 15 cts.
 999 **Mixed.** All sorts. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Rudbeckia (Coneflower)

- 1005 **Bicolor Superba.** Fine free flowering annual variety, growing about 2 feet high, forming a dense bush and producing in great abundance on long stems its bright flowers. The disk is brown, the florets golden-yellow, with large velvety-brown spots at the base; very effective and useful for cutting. Pkt. 10 cts.

Salpiglossis (Painted Tongue)

(Hardy annual.) Easy growing plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 in. Excellent.

- 1010 **Emperor, Choice Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.



SALVIA SPLENDENS

Salvia (Scarlet Sage)

(Hardy annual.) This popular bedding plant is impossible to be replaced. There is nothing more effective in the fall or mid-summer than these bright scarlet flowers. Seeds should be started either in the house from Feb. until April or in hot beds. May be sown in the open ground in May.

- 1015 **Zurich.** A new dwarf, free and early-flowering variety. A splendid bedder; $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.
 1016 **Splendens.** (Scarlet Sage.) Tall variety, very rich and free; late; 3 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
 1017 **Bonfire.** (Clara Bedman.) Compact bushy plants 2 ft. high, producing innumerable erect spikes of the most brilliant scarlet flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

Scabiosa (Mourning Bride, Pin-Cushion Flower)

(Annual.) Free-flowering, of easy culture; splendid for cutting or garden effect; should be in every collection.

- 1020 **Large Flowering Double Mixed.** Pkt. 5 cts., oz. 50 cts.

Scarlet Runner (See Bean)**Schizanthus (Butterfly Flower)**

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

- 1025 **Extra Fine Mixed.** A variety, forming compact pyramidal plants a foot high, literally covered with large, beautiful, orchid-like flowers in a bewildering range of color. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
 1026 **Wistonesis.** Wonderfully showy plant, robust and bushy, $1\frac{1}{2}$ to 2 feet in height. Fernlike foliage, and bearing a profusion of flowers all with handsome markings, very lasting, and an endless variety of bright colorings of white, pink, buff, yellow, dotted with delicate rose. If seed is sown in February, plants will bloom in Summer, and if sown in May or June, will make handsome pot plants for the conservatory. Pkt. 25 cts.

Sensitive Plant (See Mimosa Pudica)**Snapdragon (See Antirrhinum)****Stocks**

Stocks are one of our leading specialties and our percentage of doubles equals the best European pot grown strains. Seed sow in March will supply nice bedding plants and may be sown outside in April and May and will afford bloom from summer until frost. All delightfully fragrant.

Large Flowered Dwarf Ten Week Stock

Used for bedding out for summer blooming, coming into flower quicker than the other types.

- | | |
|--------------------------------------------------|-------------|
| 1030 Blood Red..... | Pkt. \$0.10 |
| 1031 Light Blue..... | .10 |
| 1032 Bright Pink..... | .10 |
| 1033 Purple..... | .10 |
| 1034 Pure White..... | .10 |
| 1035 Canary Yellow..... | .10 |
| 1036 Choice Mixed, $\frac{1}{8}$ oz. 50 cts..... | .05 |

Mammoth Beauty of Nice Stocks

Grow 2 feet high and have many spikes of large, double, fragrant flowers, excellent for house decoration, and for cutting during the winter months. Seed should be sown from July to September; if sown in February or March will bloom out of doors from midsummer till fall.

- | | |
|-----------------------------------------------|-------------|
| 1040 Beauty of Nice. Delicate flesh pink..... | Pkt. \$0.15 |
| 1041 Crimson. (Souv. De Monaco)..... | .15 |
| 1042 Queen Alexander. Rosy lilac..... | .15 |
| 1043 Mont Blanc. Pure white..... | .15 |
| 1044 Mont Carlo. Canary yellow..... | .15 |
| 1045 Summer Night. Rich deep blue..... | .15 |
| 1046 Mixed..... $\frac{1}{8}$ oz. 75 cts..... | .10 |

Cut-and-Come-Again 10-Week Stocks

Perpetual-blooming sort, sown in March or April. Will flower in July and till frost; very double fragrant flowers.

- | | |
|-----------------------------------------------|-------------|
| 1050 Princess Alice. White..... | Pkt. \$0.15 |
| 1051 Brilliant. Blood red..... | .15 |
| 1052 Sapphire. Violet..... | .15 |
| 1053 Creole. Canary yellow..... | .15 |
| 1054 May Queen. Pale Blue..... | .15 |
| 1055 Mixed..... $\frac{1}{8}$ oz. 75 cts..... | .10 |

Stokesia (Cornflower Aster)

(Hardy perennial.) Plants grow about 15 to 18 in. high, bearing freely from July to Oct., handsome Centaurea-like blossoms, each measuring from 4 to 5 in. across; it is of easy culture, and one of the most desirable plants for the hardy border, and also for cutting.

- 1060 Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Straw Flower (See Helichrysum)**Sunflower (See Helianthus)**

"Holco" Spencer Sweet Peas for 1920

Spencer—Or as they are sometimes called Orchid-flowered Sweet Peas—can now be had in almost any color. The unique combinations of shades are almost indescribable. Holco list comprises the newer varieties that have replaced the old type of Spencer Sweet Peas. We have kept away from duplicating shades, that you may select any variety knowing it to produce a different shade.



FIERY CROSS SWEET PEA

- 1101 Asta Ohn.** Pinkish lavender, the wings showing a little more clear lavender. Good size and best Spencer form. **Pkt. 10 cts., oz. 25 cts.**
- 1102 Aurora Spencer.** A brilliant orange rose striped and flaked on white. Of the finest Spencer form and of immense size. **Pkt. 10 cts., oz. 25 cts.**
- Barbara.** A large salmon orange self. Beautiful color when grown well and shaded. **Pkt. 10 cts., oz. 30 cts.**
- 1078 Constance Hinton.** A black seeded white Spencer of enormous size and fine Spencer form. Young flowers generally tinted a trifle pink, but flower soon turns pure white. A fine variety. **Pkt. 10 cts., oz. 50 cts.**
- 1106 Countess Spencer.** The original Spencer type Sweet Pea and to the present day one of the best pinks. The color is bright clear pink on white ground. The pink deepens towards edge of standard. Standard and wings beautifully waved. Strong grower and bears numerous fours. **Pkt. 10 cts., oz. 25 cts.**
- 1107 Dainty Spencer.** A large White Spencer, edged with clear rose pink. Very pretty when well grown but under some conditions the color suffuses through the standard and wings. One of the daintiest Sweet Peas when perfect. **Pkt. 10 cts., oz. 25 cts.**
- 1079 Decorator.** A Rose Spencer. Vine dark colored in original stock but some growers have a light colored vine. An award of Merit was given. **Pkt. 10 cts., oz. 40 cts.**
- 1080 Dobbie's Cream.** Primrose self. Supersedes Primrose Spencer. Grand color and form, strong grower. The cream Spencer variety. **Pkt. 15 cts., oz. 50 cts.**
- 1108 Elfrida Pearson.** Deep blush waved. This Pea took the place of Florence Morse Spencer and others. It is a splendid Pea in every way. Free flowering, strong growing and produces strong stems carrying four blossoms as a rule. The color is very pleasing and is white ground flushed with pink. In the young state the pink color seems to have a bronze sheen. This Pea will lead the blush pink section for many years to come. **Pkt. 10 cts., oz. 50 cts.**
- 1081 Fiery Cross.** An entirely new shade of red in Sweet Peas and easily the most brilliant red Spencer. The shade of red is hard to describe. It is what is known by some as "Turkey" red or "Military" red. A bright red orange cerise with some salmon in it might convey the idea. Flower opens pale but deepens with age. **Pkt. 10 cts.**
- 1112 Florence Morse Spencer.** Beautiful light pink, deepening towards edges. Very large, open, wavy form of the best Countess Spencer type, with long stems and four blossoms to the stem. Perhaps better described as a light, pink-edged Countess Spencer. Our new strain of it comes perfectly true. **Pkt. 10 cts., oz. 25 cts.**
- 1113 Florence Nightingale.** Clear lavender with a little mauve color in flower. George Herbert is much better Spencer flower. **Pkt. 10 cts., oz. 25 cts.**
- 1114 George Herbert.** Bright rosy carmine of large size and best Spencer form. **Pkt. 10 cts., oz. 25 cts.**
- 1076 "Holco" Giant Waved Spencer Sweet Pea Mixture.** This mixture has been made with extraordinary care by us from the finest named, true, large flowering Spencer varieties introduced to date, and in such quantities as to produce a well-balanced and finely-proportioned color effect. All dull and undesirable colors have been omitted, making the mixture the best ever offered. No better can be had. **Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50 postpaid.**
- 1116 Helen Lewis.** Standard orange, wings rosy salmon. Large, wavy. One of the earliest Spencer varieties and still a favorite. **Pkt. 10 cts., oz. 25 cts.**
- 1135 Helen Pierce.** Pure white, veined, mottled and marbled with bright blue. The base of the petals does not show the color while the back of the standard is quite heavily colored. Helen Pierce Spencer is best waved variety of this kind. **Pkt. 10 cts., oz. 50 cts.**
- 1134 Hercules.** Rich pink, waved. A giant Countess Spencer. The individual flowers when well grown are very fine and are much finer than Countess Spencer, especially when grown for exhibition. **Pkt. 10 cts., oz. 50 cts.**
- 1082 Hilary Christie.** Standard frosted orange cerise with crenulated fiery scarlet edge. Wings rosy carmine, keel delicate fawny lemon. General tone of flower bronzy orange pink. **Pkt. 15 cts., oz. 75 cts.**

"Holco" Giant Spencer Sweet Peas

1117 Illuminator. A glorious orange salmon. In dull light the color appears to be a flat orange scarlet but in sunshine or under artificial light the color is bright salmon cerise, sparkling with orange. Pkt. 10 cts., oz. 30 cts.

1083 Jean Ireland. Beautiful cream colored, edged with deep pink. If this maintains its character under cultivation, it will easily be the premier picotee cream. The form, placing and coloring of the flowers leave little to be desired. Pkt. 15 cts., oz. 75 cts.

1118 King Edward Spencer. Rich crimson, waved. Flowers are large and of fine Spencer form. It is a vigorous grower and is a good variety for exhibition and for garden. Pkt. 10 cts., oz. 25 cts.

1119 King White. A superb white. Purity of whiteness and vigor, form and size remarkable, substance wanting. This is a grand Pea for dry climates but is too thin where rains are frequent during blooming time. Pkt. 10 cts., oz. 50 cts.

1120 Loyalty. Violet flake, waved on white ground. Pkt. 10 cts., oz. 30 cts.

1122 Margaret Atlee. A Giant Pink. Apricot pink on cream ground. The pink is suffused perfectly over the cream ground. A strong grower and a most useful Pea for exhibition or garden decoration. Pkt. 10 cts., oz. 30 cts.

1123 Mrs. Cuthbertson. The best pink and white bicolor. The standard is light rose pink and wings are white flushed pale rose pink. The variety is a strong grower and the flowers are very large and exceedingly beautiful. One of the most pleasing Sweet Peas and a telling variety for competition. Pkt. 10 cts., oz. 75 cts.

1084 New Margaret Madison. In Margaret Madison we have a greatly improved strain of the popular lavender color found in the variety Margaret Madison. The size of the blossom has been almost doubled and the form of the flower is now all that could be wished for in a Spencer Sweet Pea. The color, too, is daintier and prettier and is as near a true lavender as one could wish. Pkt. 10 cts., oz. 50 cts.

1086 Miriam Beaver. The daintiest and most pleasing shade of pink yet discovered in Sweet Peas. The color is hard to determine, but we think that a soft shell salmon pink on cream ground lightly overlaid with soft hydrangea pink would convey a good idea of its uniqueness. Pkt. 15 cts., oz. 75 cts.

1085 Nubian. Chocolate self, waved. Color self, purple shade wanting, form fine. Long stems and four wings folded over very nicely. Pkt. 10 cts., oz. 30 cts., ¼ lb. \$1.00.

1088 Robert Sydenham. Rich orange salmon. A little darker than Stirling Stent. This variety was somewhat disappointing as it proved to be less sunproof than any other orange salmon. When shaded and well grown, it is a fine flower and very beautiful. Pkt. 15 cts., oz. 50 cts.



1136 Rosabelle. Bright rose, waved. Very large and great form and size. One of the best varieties for exhibition and garden. Pkt. 10 cts., oz. 50 cts.

1089 Royal Purple. The best Purple Spencer Sweet Pea. As the name suggests the color is near "Royal" Purple. The color deepens and improves as the flowers age which is a good point in a purple variety. One of the most distinct and successful Spencer introduced. A strong grower and very floriferous, excellent for exhibition and garden. Pkt. 10 cts., oz. 50 cts.

1127 Tennant Spencer. Rosy purple self color. Shows a tendency towards magneta. Of fair Spencer form. We now think Royal Purple should be grown for a good purple Sweet Pea. Pkt. 10 cts., oz. 25 cts.

1087 The President. Brilliant rich dazzling orange scarlet. Burns badly but when shaded is most brilliant and is much superior to Thomas Stevenson. Pkt. 10 cts., oz. 50 cts.

1129 Vermilion Brilliant. Scarlet, waved. To date this is one of the best Scarlet Spencer. The color is a rich scarlet but has some crimson in it. It is a vigorous grower for a scarlet and flowers are of good form. A good number of four bloomed sprays are produced. Pkt. 10 cts., oz. 50 cts.

1131 Wedgewood. A clear azure blue with a little mauve tint in standard. Large flowers and good form for a blue. Pkt. 10 cts., oz. 50 cts.

1130 White Spencer. This stock was the first waved white variety. Is conceded to be best. Pkt. 10 cts., oz. 25 cts.

1090 Yarrawa. The flowers are exquisitely waved and when well grown average two and one-half inches in diameter. They are produced usually in fours on extra long, strong stems. The color is a bright rose-pink with a clear, creamy base, the wings being slightly lighter in tone. Yarrawa, grown outdoors, begins to flower fully two weeks earlier. Pkt. 15 cts., 2 pkts. 25 cts.

"Holco" Large Flowering Mixed

1077 This is the best possible mixture that can be made from existing Grandiflora or Eckford varieties. It has been our endeavor to secure the best balanced mixture of color for the admirers of the Grandiflora type, and those in search of a good mixture at a low price. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.00 postpaid.

Sweet William (*Dianthus Barbatu*s)

(Hardy perennial.) Produces splendid effects in beds and borders. Widely grown for the handsome showy heads of brilliant flowers, will last for years.

- 1170 **Pink Beauty.** Strikingly brilliant and beautiful. Color salmon-pink. Flowers are borne in massive heads on stems, 18 in. high. For mid-season mass bedding it has no equal. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.
- 1171 **Holborn Glory.** Large flowers in beautiful shades. Pkt. 10 cts.
- 1175 **Double Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.
- 1176 **Annual.** (Annual-Flowering Sweet William.) A new strain that flowers the first season. Sow early. Finest mixture. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Thunbergia (*Black-Eyed Susan*)

(Hardy annual.) Very attractive, slender, climbing or trailing plants, neat for baskets, porch boxes, etc. Pure white; black-eyed; sulphur, white-eyed; orange, white-eyed.

- 1178 **Mixed.** Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Tritoma (*Red Hot Poker*)

- 1179 **Hardy Perennials.** Very early-flowering variety; elegant orange-scarlet flowers; 3 ft. Pkt. 15 cts.

Mrs. Louise S. Fitz, Randolph, O.—“All the seeds received of you have done good.”

Verbena

(Hardy annual.) A very popular bedding plant. For best and quickest results seed should be sown early in the house or hot-bed, and transplanted in May. If sown outdoors in May, it blooms from the end of July on.

Mammoth-Flowered Varieties

- | | Pkt. |
|---------------------------|--------|
| 1180 Pink | \$0.10 |
| 1181 Purple | .10 |
| 1182 Scarlet | .10 |



MAMMOTH MIXED VERBENA

Verbena—Mammoth-Flowered

- | | Pkt. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1183 Striped | \$0.10 |
| 1184 White | .10 |
| 1185 Blue | .10 |
| 1186 Mammoth Mixed. $\frac{1}{4}$ oz. 50 cts..... | .10 |
| 1187 Helen Wilmott. Large, bright salmon-rose-colored flowers, having a white eye, with small percentage of varied shades. Pkt. 15 cts. | |
| 1188 “Lucifer.” A most valuable addition to the range of colors in this important bedding plant, being an even, intense deep cardinal-scarlet throughout; it is identical to our other Mammoth Verbenas in size of bloom and other good qualities. As a brilliant bed or border we feel sure this will be most satisfactory. Pkt. 15 cts., 2 pkts. 25 cts. | |
| 1190 Lemon Verbena. (Citriodora.) Every garden should have a few plants of this fragrant favorite. Its pale green, delightfully scented foliage goes well with any flower. Pkt. 10 cts. | |

Vinca (*Periwinkle*)

(Hardy annual.) Very handsome plants about 1 ft. high. Dark, glossy foliage, in flower constantly from June to frost. If sprayed be cut and placed in water, all the buds will be developed, making them effective for a week. 1 to $1\frac{1}{2}$ ft.

- 1195 **Mixed Colors.** Pkt. 10 cts., $\frac{1}{8}$ oz. 15 cts.

Wallflower (*Cheiranthus*)

(Hardy perennials.) A class of free-flowering plants which are particularly valuable for bedding. Flowers bloom in spring, borne in long spikes, sweet-scented; a splendid range of colors from bright yellow through shades of red to brown.

- 1210 **Double Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts.

Wild Cucumber (*Echinocystis*)

- 1215 (Hardy annual.) A very rapid-growing vine with white flowers. Pkt. 5 cts., oz. 15 cts.

Wild Flower Garden Mixture—See Page 66

Zinnia (*Youth and Old Age*)

(Hardy annual.) They are very easily grown and bloom continuously from early summer until frost. These may be sown in the latter part of March in boxes or outdoors in May. If transplanted, it should be done at an early stage.

Giant Mammoth

Our strain of this magnificent giant-flowered type is unsurpassed. The blooms are of immense size, when well grown averaging three and one-half to four and one-half inches in diameter and often three to four inches in depth.

- | | Pkt. |
|--------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1224 Giant Yellow | \$0.10 |
| 1225 Giant Scarlet | .10 |
| 1226 Giant White | .10 |
| 1227 Giant Fleshcolor | .10 |
| 1228 Giant Violet | .10 |
| 1229 Giant Crimson | .10 |
| 1230 Giant Mixed. All colors. $\frac{1}{4}$ oz. 40 cts... . | .10 |
| 1231 Curled and Crested, Double. Petals curiously twisted, curled; mixed colors. $1\frac{1}{2}$ ft. Pkt. 10 cts., oz. 60 cts. | |
| 1233 Dwarf Double Mixed. Pkt. 5 cts., oz. 60 cts. | |
| 1235 Black Knight. Very odd shade. Pkt. 10 cts. | |

Bulbs and Roots for Spring Planting

When ordering, ask for our Leaflet on
Outdoor Bulbs Culture

ELEPHANT EARS

Caladium Esculentum

Elephant's Ear

One of the most effective plants in cultivation for beds, borders or for planting out upon the lawn. Very frequently used as border plant about suburban residences, where their large, rich green leaves afford an excellent embellishment when contrasted with the colors of the dwellings. Leaves often measure 3 to 4 ft. long, 2½ ft. wide.

	Each	Per Doz.
First-size Bulbs.....	\$0.15	\$1.50
Large Bulbs.....	.25	2.50
Mammoth Bulbs.....	.35	3.50

Madeira Vine (*Climbing Mignonette*)

A beautiful vine, covering a large space in a short time. Heart-shaped light green leaves and clusters of pure white fragrant flowers. 6 cts. ea., 12 for 60 cts., postpaid

EXCELSIOR
DOUBLE PEARL
TUBEROSES

Tuberose

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. For early flowers they can be started in Feb. or March in the greenhouse or hotbed; for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

Excelsior Dwarf Double Pearl. First size 3 for 25 cts., 12 for 75c, postpaid.

Calla Lily

White Calla. This is the ever-popular and well-known. Easy of culture, its wonderfully beautiful pure white blossoms are very desirable as cut-flowers. Its habit of growth makes it a handsome pot-plant. It grows luxuriantly in the open. Strong bulbs 30 cts. ea., 12 for \$3.00 postpaid.

Mrs. M. Anderson, Traill Co., N. D.—“We have received the bulbs and seeds, and we are well pleased. Everything came in good condition.”

Lily-of-the-Valley Clumps—For Outdoor Planting

Our Lily-of-the-Valley Clumps are extra selected, well grown and, if planted outdoors by the middle of April, will flower splendidly during May. If grown under the proper conditions, these clumps will increase rapidly, and every spring produce a profusion of dainty flowers. Extra-strong clumps. 50 cts. ea., 12 for \$5.00.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates

Dasheen

Belong to the same family as the Elephant Ear, and resemble them somewhat but grow more upright; leaf is rounder and of a much darker green in color. They like plenty of water but will thrive where it is too dry for the Elephant Ear; and many people prefer them to the caladium for this reason alone. It can be grown on land too damp for ordinary crops. It is a much more rapid grower than the caladium. Try a few bulbs. 25 cts. ea., 3 for 60 cts. postpaid.

Cinnamon Vine

From the Oriental land are the most charming of climbers, and will quickly surround your arbor, windows and veranda with a wonderful profusion of lovely vines covered with handsome, glossy heart-shaped leaves and sweet-scented flowers making them all perfectly hardy, thriving everywhere in sun or shade, and once planted will grow a lifetime and be a constant delight to the whole family. They come from China—the land of wonders. No words can describe their beauty and marvelous sweet perfume. No home is complete without these wondrous vines. No one should miss this chance of planting them. They will grow 30 feet in a single season. We offer you genuine Headquarters Stock direct from the largest grower of Cinnamon Vines in the world. Roots will keep perfectly. Plant any time from earliest spring up to July 15. 5 cts. ea., 6 for 25 cts., 12 for 50 cts. postpaid.



CINNAMON VINE

Large-Flowering Cannas

New and Latest Selections

Yellow King Humbert

(Queen Helen)

Four feet, green foliage, an orchid-flowering sort of the well known variety, King Humbert. Has the same habit of growth as its parent; foliage a very dark green with flowers measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. Color of flowers a deep rich yellow heavily spotted and blotched with bright red. Some plants will occasionally give a scarlet or scarlet striped flower, which we consider an improvement rather than a defect. 20 cts. ea., 12 for \$2.00. Postpaid.

Eureka

Four feet, green foliage. White Cannas have not, as a rule, been satisfactory, but Eureka is a splendid white that we believe will appeal to every lover of Cannas. Magnificent large flowers of a clear white—none of the dingy characteristics of the whites of former years. 25 cts. ea., 12 for \$2.50, postpaid.

Rosea Gigantea

Four feet, green foliage, rich rose, gigantic size, a prolific bloomer. The large broad petals and the massive heads of bloom invariably create a sensation when seen for the first time. 25 cts. ea., 12 for \$2.50, postpaid.

Allemania. 5 feet green foliage, orchid-flowering, bright scarlet, with broad and irregular yellow border, beautifully mottled and variegated. 10 cts. ea., 12 for \$1.00.

Alphone Bouvier. 5 feet, green foliage, clear crimson flowers, produced in large clusters. 10 cts. ea., 12 for \$1.00.

Brandywine. 3½ feet, bronze-leaved flowers of wine-red, dappled deep crimson petals sometimes edged with gold. 10 cts. ea., 12 for \$1.00.

Buttercup. 3 feet, green foliage, the best dwarf yellow flower of pure buttercup-yellow. 10 cts. ea., 12 for \$1.00.

Crimson Bedder. 3½ feet, green foliage. Deep red flowers of good quality. 10 cts. ea., 12 for \$1.00.

David Harum. 3 feet, bronze-leaved flowers, intense vermilion-scarlet; very prolific and one of the freest bloomers we know of. 15 cts. ea., 12 for \$1.50.

Egandale. 4 feet, bronze-leaved, flowers currant-red. An early and constant bloomer. 10 cts. ea., 12 for \$1.00.

Golden Gate. 4 feet, green foliage. The flowers open almost pure gold but soon become richly rayed with orange crimson and apricot. 25 cts. ea., 12 for \$2.50.

Hungaria. 3½ feet, green foliage, large flowers, color a pure La France pink with satiny sheen. 15 cts. ea., 12 for \$1.50.

Indiana. 6 feet, green foliage, Orchid-flower variety with rich golden flowers often 7 inches across. 10 cts. ea., 12 for \$1.00.

City of Portland

3½ feet. Glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are produced in greatest profusion. It blooms continuously, forming two and three bloom-heads on each stalk, which bud and bloom in succession, so each plant is showing flowers all the time. This is considered the finest salmon-pink Canna in existence. A splendid keeper. 25 cts. ea., 12 for \$2.50, postpaid.

Fire Bird

Three and one-half feet, green foliage. The best scarlet green-leaved variety in existence. The flowers are borne in immense trusses on strong stalks well above the leaves. They are of splendid form. The petals measure 2½ inches across and the color is a clear glistening scarlet without any streaks, spots or blotches. 25 cts. ea., 12 for \$2.50, postpaid.

Jane Addams

Four and one-half feet, green foliage. True, rich buttercup-yellow (richer than Buttercup Canna), with a suggestion of red in the throat. The buds are dark maroon, very pretty, and they blend artistically in color with the bright yellow blooms. 25 cts. ea., 12 for \$2.50, postpaid.

King Humbert. 4 feet, bronze-leaved, the most popular of all Cannas; still in the lead and gathering popularity each year. Color orange-scarlet, shaded crimson. 15 cts. ea., 12 for \$1.50.

Madame Crozy. 3½ feet, green foliage. Flowers brilliant vermilion-scarlet, with narrow edge of bright golden yellow. 15 cts. ea., 12 for \$1.50.

Mrs. Alfred F. Conard. 4 feet, green foliage, beautiful salmon-pink flowers of great size and wonderful substance freely produced in large clusters. 25 cts. ea., 12 for \$2.50.

Meteor. 5 feet, green foliage, deep dazzling crimson flowers, produced in mammoth clusters. 20 cts. ea., 12 for \$2.00.

Orange-Bedder. 4 feet, green foliage. This dazzling bright orange-bedder suffused with scarlet blooms very freely and makes an ideal bedder. 20 cts. ea., 12 for \$2.00.

Panama. 3 feet, green foliage, color rich orange-red with a well-defined border of bright golden yellow. flowers of large size. 20 cts. ea., 12 for \$2.00.

Pennsylvania. 6 feet, green foliage, large orchid-flowered scarlet, overlaid with orange. 10 cts. ea., 12 for \$1.00.

Richard Wallace. 4 feet, green foliage, canary-yellow flowers. 10 cts. ea., 12 for \$1.00.

Venus. 4 feet, green foliage, a gay rosy pink with a well defined border of creamy yellow. 15 cts. ea., 12 for \$1.50.

Wintzer's Colossal. 5 feet, green foliage. Without a doubt the largest-flowered Canna yet produced. Flowers of vivid scarlet, sometimes measuring 8 inches across. 25 cts. ea., 12 for \$2.50.

6 Cannas of a variety at dozen rates. Roots postpaid

"Holco" Prize Dahlias

The choicest of their respective classes
Our Dahlia roots are splendid, strong field grown clumps, plump, well ripened

Dahlias require a light, open situation, a well-worked, moderately rich soil, deep and frequent cultivation. If the soil is heavy, use plenty of coal ashes. Plant any time from the first of May until the end of June, covering the tuber with 5 or 6 inches of soil and cutting out all but one or two stalks. For exhibition flowers thin freely.

Decorative Dahlias

Collection of Six Giant Decorative Dahlias for \$2.00

J. M. GOODRICH. Gigantic New Decorative Seedling. For all purposes, without exception, this is the best Decorative we have had the pleasure of introducing. It has size and beauty, exceptionally long stems and is free flowering. The coloring is entirely new and wins instant favor. A beautiful salmon-pink, each petal effectively tipped primrose-yellow. The nearest to an ideal Dahlia we have been able to introduce. 50 cts. each.

LE GRAND MANITOU. The color of this superb variety is pure white artistically striped, splashed and blotched deep violet-purple. The plants occasionally bear a solid purple-colored flower. The effect of these phenomenal flowers is most pleasing, giving this variety a supreme place in this class. 35 cts. each.

MINA BURGLE. A seedling named and originated by Mr. Burtle, a California Dahlia lover. This new introduction is one of the finest varieties to date; a champion variety, producing flowers of gigantic size; and remarkable beauty. The best in existence; in color, a glowing and most brilliant scarlet. The flowers are of perfect Decorative type, and borne upon long, wiry stems, well above the foliage. A variety which attracts universal attention. 35 cts. each.

CLIFFORD W. BRUTON. A large canary-yellow. 15 cts. each.

DELICE. The finest and brightest pink Decorative Dahlia in existence. Flowers are of good size, standing well above the foliage. A charming bright pink, suffused with lavender-pink. One of the best known cut-flower varieties in the Dahlia world. 25 cts. each.

SOUVENIR DE GUSTAVE DOAZON. This variety is a good comparison to the "Sunflower." It is the largest Dahlia in existence. The color is a pleasing shade of orange-red. Flowers are full to the center and often measure 9 inches and over in diameter; they can be forced to measure over 12 inches. The plant is a very tall, vigorous grower with heavy, dark, glossy green foliage and a remarkable constitution. Very long stems of pleasing, stiff, upright type. Should be in every garden. 25 cts. each.

Show Dahlias

MAUD ADAMS. Ideal New Show Dahlia. This wonderful introduction is unsurpassed in quality in every respect; in reality, a model of perfection. We cannot speak too highly of this variety. The color is a pure, snowy white, very effectively overlaid clear delicate pink. Undoubtedly the finest of our this season's introductions and in our estimation one of the finest of the Show type. 50 cts. each.

A. D. LIVONI. Beautiful soft pink. Well formed flowers with long stems. Perfectly round, ball-shaped flowers, each petal being very tightly quilled and arranged in exact irregularity. Free flowering. 15 cts. each.

ACQUISITION. An exquisite shade of deep lilac. Very large with cup-like petals. Especially good for cutflower purposes. 20 cts. each.

NORMA. A Dahlia that should be grown by all flower lovers. In my estimation a model of perfection. Flowers are large, perfectly quilled, and of a most exquisite shade of live bright orange. The blossoms are produced in remarkable profusion. 25 cts. each.

The Collection of Four Ideal Show Dahlias for \$1.00.

The Peony-Flowered Dahlias

DR. PEARY. Gigantic Holland Peony-Flowered Dahlia. Without exception the very finest dark Peony-flowered Dahlia in existence. A rich, velvety wine-crimson or dark mahogany. Flowers of gigantic size and identical in form and shape to the "Geisha." A variety which I highly recommend. 50 cts. each.

GERMANIA. Holland Peony-flowered Dahlia. Bright glowing crimson. 20 cts. each.

QUEEN EMMA. Fragrant Peony-flowered Dahlia. A delightful sort that appears almost artificial. It is a charming shade of Hollyhock pink, the inner petals banded with gold. The flowers are sensational, possessing grace, simplicity and beauty, which makes this variety exceedingly fashionable. 25 cts. each.

QUEEN WILHELMINA. Giant Holland Peony-flowered Dahlia. An immense, fluffy flower of pure glistening white, showing its beautiful golden yellow center very prominently, which lends an additional charm to this most beautiful flower. 25 cts. each.

The Four New Peony-Flowered Dahlias for \$1.00.

MIXED DAHLIAS, all colors, very good assortment. 15 cts. each, \$1.00 per doz.

Cactus Dahlias

ALIGHT. (Incurved.) Gigantic flowers of a beautiful orange-scarlet color. Petals very long and exceedingly narrow. This variety can be highly recommended as a desirable form. 25 cts. each.

COUNTESS OF LONSDALE. (Hybrid.) Deep salmon-red. One of the best. Very free. Should be in every garden. 35 cts. each.

EUREKA. (Straight.) This variety has all the good qualities of the Dahlia, being properly named. Color, very deep purple. Petals are long, straight and tightly quilled. 25 cts. each.

HENRI CAYEUX. (Straight.) A variety of immense size and perfect form. Color, an old gold, shading to golden yellow; plants very vigorous. 25 cts. each.

J. H. JACKSON. (Straight.) The finest black Cactus Dahlia in existence. An exceptionally satisfactory all-round Dahlia; one of the most prominent for garden decoration; superb as a cut-flower variety and equally good as an exhibition flower. Color, a perfectly gorgeous, deep, velvety, blackish-maroon. Gigantic in size. Every Dahlia lover should grow this variety. 25 cts. each.

KALIF. A truly majestic flower, frequently measuring over nine inches in diameter. The flower is of perfect Hybrid Cactus form, and in color a beautiful pure glowing scarlet. The habit of the plant is all that can be desired, growing, with us, about four and one-half feet in height. The gigantic flowers, which are produced freely, are held erect on strong stems of wiry stiffness, making it a most effective and useful variety for cutting, as well as for garden decoration. This variety bears our highest recommendation. 75 cts. each.

MARJORIE CASTLETON. (Straight.) The outer florets are of a pleasing shade of rose-pink, while the tips and central florets are cream white. 35 cts. each.

SNOWDON. (Incurved.) Purest white. 50 cts.

Collection of Eight Chrysanthemum-like Cactus Dahlias for \$3.00.



Sure to Flower

Gladioli

Plant Gladiolus Bulbs—
They Bloom for Everybody

Gladioli are the most attractive and useful for cut flowers of all summer-flowering bulbs. Use any good soil, hoe and loosen, keep down the weeds, and with ordinary rainfalls they will flower by July because their sturdy growth is assured from the stored-up strength in the bulbs. A succession of blooms may be had from July to October by making plantings in April, May and early June, 10 days apart. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high.



AMERICAN GLADIOLI

America. Lavender pink. A fine cut flower of strong growth. 7 cts. ea., 12 for 75 cts. postpaid, \$5.00 per 100.

Baron Hulot. (Blue Jay.) Rich indigo. 10 cts. ea., 12 for \$1.00 postpaid, \$7.00 per 100.

Empress of India. Rich velvety dark red with deeper shadings; one of the richest colored varieties. 10 cts. ea., 12 for \$1.00 postpaid, \$7.50 per 100.

Glory. (Ruffled.) Creamy white, crimson stripe in center of each petal; ends of petals ruffled. 10 cts. ea., 12 for \$1.00 postpaid, \$7.50 per 100.

Glory of Holland. Pure white; best white we know. 10 cts. ea., 12 for \$1.00 postpaid, \$7.50 per 100.

Panama. Finest pink gladiolus. 10 cts. ea., 12 for \$1.00 postpaid, \$7.50 per 100.

Princeps. Rich crimson, with white blotches. 10 cts. ea., 12 for \$1.00 postpaid, \$7.50 per 100.

Mrs. Frank Pendleton

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The blooms are wide open and are arranged individually on the very slender but wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. 15 cts. ea., 12 for \$1.50 postpaid, 100 for \$10.00.

Schwaben. A most meritorious imported variety of wonderful vigor, with strong erect spikes and large well expanded flowers of a clear canary yellow with a small blotch of deep garnet in the throat. 15 cts. ea., 12 for \$1.50 postpaid, \$10.00 per 100.

Niagara. Flowers $4\frac{1}{2}$ in. across, cream shade, blending to canary yellow on lower petals. Throat is faintly striped with carmine, lower ends of petals are also blushed with carmine. 15 cts. ea., 12 for \$1.50 postpaid, \$10.00 per 100.

Mrs. Francis King. A striking shade of light scarlet or flame color; one of the most effective both in the border and when cut. 10 cts. ea., 12 for \$1.00 postpaid, \$7.00 per 100.

Mrs. L. H. Lotz, Walkerton, Ind.—“The seeds we got of you this spring are coming fine, as they did last year; every bulb is coming up too. I was so well pleased by the sturdy growth of the Japan Lilies and Gladiolus. I certainly will remember you when another growing season comes.”

Fire King

Long graceful spike showing half a dozen immense blooms open at the same time. Color, intense scarlet. More brilliant than any other scarlet variety. A perfectly grand variety. 10 cts. ea., 12 for \$1.00 postpaid, \$7.00 per 100.

War. Deep blood-red, shaded crimson-black. 15 cts. ea., 12 for \$1.50 postpaid, \$10.00 per 100.

“Holco” Rainbow Mixture

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page. Only refined and exquisite colors. 12 for 60 cts. postpaid, 100 for \$3.50, 1,000 for \$30.00.

Extra Fine Mixed

This splendid mixture is grown for us by Gladiolus specialists each year, and besides the mixture as originally grown many choice new kinds are added. This insures a wide range of colors, shades and types. 12 for 35 cts. postpaid, 100 for \$2.50, 1,000 for \$22.50.

Peonies

Plant large clumps. You don't have to wait to grow small plants into large clumps. Three years old undivided clumps. Every one a high class peony.

Felix Crousse. Large, bulb shaped bloom, very brilliant red; one of the finest. \$1.25 ea.

Festiva Maxima. Very large; clear white tipped with streaks of red. \$1.00 ea.

Meissonier. Deep dark rich red, known as the American Beauty Peony; extra fine. \$1.00 ea.

Mons Jules Elie. The peerless pure pink. One of the largest, handsomest and most lasting cutting sorts in existence. Proven by commercial competition, the exhibition peony. \$2.00 ea.

Delicatissima. Soft pink, changing to flesh; very delicate coloring; early. \$1.25 ea.

Hybrid-Tea Roses — Hardy
Everblooming

Our Roses are exceptionally strong and worth ten times more than Roses grown on marshy, wet soil, such as are generally offered at a low price. This class of Roses are continuous bloomers the entire summer, but are not entirely hardy in this section, and should be protected during the winter months with a covering of straw or any handy material. To obtain the best results, in addition to the covering of the tops, protect the roots with 5 to 6 in. of well-rotted manure. This will give added strength to the plants, and additional blooms the following summer.

The following varieties have been selected with a view to giving the amateur Rose enthusiast an opportunity to get the best varieties that will give a goodly share of blooms throughout the summer and autumn months, as well as to meet the requirements of those wishing the best varieties to select from, and being limited as to the amount they can spend.

When ordering, ask for our Leaflet on Rose Culture



OPHELIA ROSE

Prices: Any of the following in strong two-year-old plants, 75 cts. each, \$7.50 per dozen

Arthur Goodwin. Color of flower is a beautiful rich-colored coppery-orange.

Jonkheer J. L. Mock. The flowers are of a deep pink and outside of petals silvery rose-white.

Mrs. Aaron Ward. Color is a distinct shade of Indian-yellow which is more decided in dry than wet weather.

Kaiserin Augusta Victoria. Color is a soft pearly-white, tinted with lemon in the center.

The "Best" Hardy Garden Hybrid-Perpetual Roses

The plants offered are unquestionably the best that can be selected in the Hybrid-Perpetual class. Exceptionally heavy two-year-old stock, which will, under fair conditions, give a full crop of flowers this season; and while their main crop is produced in June, they frequently produce fine flowers throughout the summer and autumn.

Prices: Any of the following in strong two-year-old plants, 60 cts. each, \$6.00 per dozen

Frau Karl Druschki. This is the ideal hardy white Rose, pure in color and perfect in form.

George Arends. (Or Pink Frau Karl Druschki.) A beautiful pink variety; different in color from any other Rose; a free bloomer and one of the best.

Ulrich Brunner. Bright cherry-red; flowers large and full; a good strong grower and always does well.

Every Rose Garden should have one or more of the new American Rose "Los Angeles" offered above

Los Angeles

This magnificent distinctly New American Rose "Los Angeles" is one of the finest Roses ever introduced. "Los Angeles" is surpassingly brilliant in color, beautiful in form and exceedingly free in bloom. The color is entirely new in Roses, flame pink toned with coral and shaded with transparent gold at base of the petals. The flowers are produced in almost unbroken succession from early summer to late fall. The plant is a vigorous grower with many long stems, each one crowned with superb blooms. Strong two-year old plants which should give a full crop of flowers this season. You should include "Los Angeles" in your collection. Price, \$1.50 each.

National Emblem

Beautiful color; believe it to be the most perfect of all Garden Roses. In color it is a dark crimson, overlaid velvety crimson, shading to vermilion at the edges; the buds are long and pointed, the flowers quite full, every one coming perfect; produced with marvelous freedom right through the season. \$1.00 each.

Ophelia. By many rosarians Ophelia is considered the best Rose of its color. The blooms are large in size, full in form, and of very attractive appearance. The color is light salmon-pink-flesh, shading to yellow at the base of the petals. We have found it an excellent variety in every respect, both indoors and outdoors. Blooms profusely all season and far into autumn. In very great demand. \$1.00 each.

F. O. T. Rhodin, New York.—"Your shipment of Rose Bushes arrived this morning all in good condition, and we thank you for your prompt attention."

Lyon. Shrimp-pink at end of petals, center coral-red or salmon shaded with chrome-yellow; making a most distinct and charming combination. Flowers large and full; very fragrant.

General MacArthur. Beautiful, well-shaped, long buds and large, full, perfect flowers of an intense, rich, dazzling, crimson-scarlet and deliciously fragrant. The plant is of vigorous growth, and is conceded to be one of the best Roses of its color.

Prince Camille De Rohan. Deep crimson, maroon; a favorite and one of the best Roses in cultivation; does well everywhere. Ranks very high. Very dark.

Mrs. John Laing. Soft pink, of beautiful form; exceedingly fragrant and remarkably free-flowering; always does well and stands very close to the top among fine Roses.

Paul Neyron. Dark rose, of enormous size.

Hardy Climbing Roses

The following varieties of Rambler Roses, while few in number, might easily be considered as being among the very best. It is our aim to list only those of distinct merit. All Climbing Roses offered are two and three-year-old plants, and must not be confounded with inferior stock offered at cheap prices.

Aviateur Bleriot. (The New Yellow Rambler.) Bears large clusters, full double flowers, color deepens at the center. Strong grower. Price 75 cts.

Climbing American Beauty. A fine new, free-blooming climber of excellent habit, strong and vigorous in growth; rosy crimson flowers, produced freely in June; very fragrant; a fine Rose. Strong two-year-old plants 75 cts.

Crimson Rambler. This favorite is well-known; one of the first introduced; beautiful crimson; flowers borne in huge clusters. Strong two-year-old plants 75 cts.

Dorothy Perkins. A splendid climber; bright, glossy foliage that always looks healthy, and beautiful clusters of pink flowers. It is highly recommended for general planting. Strong two-year-old plants 75 cts.

A Wild Flower Garden of great profusion may be produced by sowing broadcast Holco Wild Garden Flower seed in any suitable place. Sow 1 oz. per 100 square feet mixed with fine dirt for evenness of distribution. Price 20 cts. per oz., 50 cts. per ¼ lb., \$1.50 per lb. postpaid.

Hardy Climbing Plants

When ordering, ask for our Culture Leaflet on Hardy Clim

AMPELOPSIS VEITCHII (*Boston Ivy*)

This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places and attaining a height of 30 ft. in 2 or 3 years; clings to stones, brick or woodwork with the greatest tenacity. During the summer the leaves are a rich shade of green and lap over each other with great regularity, like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty. The leaves then change to the brightest tints of scarlet, crimson and orange, so dazzling as to be seen at a great distance. First-size plants, 50 cts. ea., 12 for \$5.00.

Aristolochia Sipho (*Dutchman's Pipe*)

A native species, of climbing habit and rapid growth, with magnificent light-green foliage 10 to 12 in. in diameter, and curious, pipe-shaped, yellowish-brown flowers. \$1.00 ea., 12 for \$10.00.



Can you imagine a more beautiful sight than flowers and vines growing in porch boxes?

Clematis

Paniculata. (Small-Flowering Clematis.) This handsome, hardy climber is one of the choicest and most satisfactory climbing flowering plants we know. The plant is of strong, rapid growth, with small, dense, cheerful green foliage, giving it a grace and elegance possessed by no other hardy climber. The flowers appear in the greatest profusion during August, and continue until late in the fall, are white in color and most deliciously fragrant. The plant succeeds in almost any position, not only is it well adapted to run up all kinds of supports, but is just as useful for planting among rockwork, sloping banks, covering graves, or, in fact, in any position where a graceful vine is desired. Many failures in the growing of Clematis are the results of too shallow planting. The crown of the roots should be set at least 3 in. below the surface of the soil. Selected, extra strong plants 50 cts. ea., 12 for \$5.00.



A BEAUTIFUL FOUNDATION PLANTING OF SHRUBS

Jackmani. (Large-Flowering Clematis.) A perfect mass of bloom when in full flower. Color dark, rich, royal purple. 75 cts. ea., 12 for \$8.00.

Honeysuckle

Halliana. (Hall's Japan Honeysuckle.) A strong, vigorous, almost evergreen sort; white flowers changing to yellow; very fragrant; flowering from July to frost. Extra-selected plants. 50 cts. ea., 12 for \$5.00.

Wistaria Sinensis. (Chinese Wistaria.) A most beautiful climber of rapid growth. When well established it makes a growth of 15 to 16 ft. Flowers pale blue. 75 cts. ea., 12 for \$8.00. Extra strong plants \$1.00 ea.

Mrs. R. A. Harding, Portage Co., O.—“I planted the vines I got from you, and they are growing fine. I am much pleased with all the seeds purchased from you.”



SHOWING HOW CANNAS AND CALADIUMS ENHANCE THE BEAUTY OF THE HOME

Hardy Ornamental Shrubs

All our Shrubs are large, vigorous and well rooted

Shrubby is one of the necessities of the home garden and lawn decoration, for scarcely a house is to be found without some plant of this sort. Shrubs can be selected that will bloom consecutively from early spring until late fall. The planting of shrubs is usually done in the spring, but we recommend planting in the fall as well as spring. Ready for delivery March to May—October and November.

Shrubs sent by express only. Where there is no express office, and it is necessary to send by Parcel Post, we will, upon application, advise the amount needed for postage.

When ordering, ask for our leaflet on Deciduous Shrubs Culture

Althea (*Rose of Sharon*)

Popular flowering shrubs, coming in flower in July or Aug., when few shrubs are in bloom. The plant is covered with beautiful double flowers, which, at a distance, look like roses. They make a pretty flowering hedge. Three-year-old plants, single flowers, in white, pink or purple. 50 cts. ea., 12 for \$5.00.

Buddleia (*Butterfly Bush*)

Variabilis Magnifica. Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. 3-inch pot plants 30 cts. ea., 12 for \$3.00, 100 for \$20.00.

Deutzia

Lemoinei. The branches are entirely covered with erect panicles of large, snow-white flowers, quite distinct from all other Deutzias; one of the best dwarf varieties. 50 cts. ea., 12 for \$5.00.

Forsythia

Suspensa. Yellow; drooping habit. 50 cts. ea., 12 for \$5.00.

Hydrangea

Paniculata Grandiflora. One of the most popular shrubs in cultivation, blooming at a time when few other shrubs are in flower. The immense panicles of pure white flowers, which appear in Aug., turn to a delicate pink, remaining until late in the autumn. Spikes of flowers have been known to measure 12 in. long by 22 in. in circumference. Extra strong plants, 4 to 5 branches. 50 cts. ea., 12 for \$5.00.

Lilacs (*Syringa*)

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, reddish-purple.

Mad. Lemoine. Large panicles of pure white, double flowers. A splendid sort. 75 cts. ea., 12 for \$8.00.

Spiræa

Anthony Waterer. A fine new dwarf Spiræa with dark crimson flowers. One of the finest shrubs of recent years. 50 cts. ea., 12 for \$5.00.

Van Houttei. (Bridal Wreath.) Without doubt the finest of Spiræas. At the flowering season in May and early June, the plant is covered with a mass of white flowers, presenting a beautiful appearance. 50 cts. ea., 12 for \$5.00.

Viburnum (*Snowball*)

Plicatum. (Japan Snowball.) Of moderate growth; handsome; globular heads of pure white, neutral flowers early in June. It surpasses the common variety in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. 75 cts. ea., 12 for \$8.00.

Weigela

Rosea Nana Variegata. Beautiful, clearly defined variegation of green, yellow and pink in its leaves; flowers delicate rose-pink. 50 cts. ea., 12 for \$5.00.

Eva Rathke. The finest Weigela in cultivation; flowering continuously throughout the summer and autumn; of a rich ruby carmine. 50 cts. ea., 12 for \$5.00.

Mr. G. H. Raub, gardener to Mrs. L. Laven, Cleveland, O.—“I have found your seeds again this year as usual, absolutely reliable. Among other things your shrubbery and bulbs were excellent.”



CALIFORNIA PRIVET HEDGE

Hedge Plants

Early Spring and Autumn are favorable seasons for planting hedges. The plants are heavy and bulky for shipment by mail; in fact it is safe to ship hedge plants by freight to most points, as they carry well and the cost of transportation is much less than by express.

California Privet. One of the most satisfactory plants for hedges known at the present time. Glossy green foliage, easily kept in shape, and of fine symmetrical shape naturally. Plant 12 in. apart.

Height	Doz.	100	1000
1-yr.-old, 18 to 24 in.....	\$1.00	\$5.00	\$40.00
2-yr.-old, 24 to 30 in.....	1.25	7.50	50.00
2-yr.-old, 30 to 36 in.....	1.50	8.50	60.00

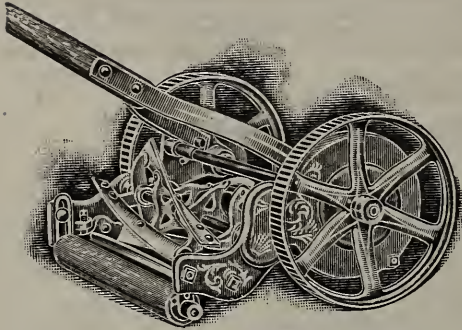
Berberis Thunbergii. (Japanese Barberry.) A pretty species of dwarf habit; small foliage, changing to a beautiful coppery red in autumn. Showy orange-yellow flowers in May, and succeeded by bright red fruit; very hardy, and the best low-growing hedge plant. Also valuable to grow as a shrub. Plant 12 to 15 in. apart.

	Each	Doz.	Per 100
1 to 1½ ft.....	\$0.25	\$2.50	\$16.00
1½ to 2 ft.....	.30	3.00	18.00
2 to 2½ ft.....	.35	3.50	22.00

When ordering, ask for our Leaflet on Evergreen Trees and Shrub Culture

Horticultural Implements and Garden Requisites

Coldwell Self-Adjusting Ball-Bearing Lawn Mowers



COLDWELL LAWN MOWER

Double Cutting Blade—Light Running—Always Sharp—Noiseless—Durable—Crucible Steel

We guarantee every Genuine Coldwell Mower
Will replace, free of charge, all defective parts

While the Coldwell is especially adapted to cutting fine lawns, its low wheel base adapts it to going over lawns too rough for most mowers. Its compound triple gear permits of the maximum strength with the minimum weight. These gears are entirely enclosed so that no dirt or cut grass can get into the pinions and clog them. It has a 10-inch wheel, 4 blades, steel, oil-tempered; lower blade is double and is also steel, oil-tempered. The Coldwell will cut grass 6 inches high, will not jump, as many low-priced machines do. Will outlast any mower.

Prices—14-in. \$14.00, 16-in. \$15.00, 18-in. \$16.00, 20-in. \$18.00.

Suburban Mower

Ball Bearing

14-inch.....	\$8.00
16-inch.....	8.50
18-inch.....	9.25

Motor or Pony Mowers price on application.

We carry in stock Mowers all sizes and prices.

"Holco" Mower

High Wheel; Ball Bearing

14-inch.....	\$7.00
16-inch.....	7.25
18-inch.....	8.00

Lattice Trellis

Made of wood and painted green.

6 ft. \$2.25, 8 ft. \$2.75, 10 ft. \$3.50, 12 ft. \$4.50.

Larger sizes to order.

Pennsylvania Lawn Mower

The Regulation Style for Every-day Lawns

10-inch high wheel, 5-blade cylinder.

15-inch.....	\$23.50
17-inch.....	26.00
19-inch.....	28.75



Rubber

Hose

"Holco" Non-Kinkable

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with hose couplings if advised when ordering. 1/2-inch and 3/4-inch.

Per foot 18 cts. and 20 cts.

Florist Hose price on application.

Hose Nozzles

3/4-in. Hose. Can be regulated to give three different streams.

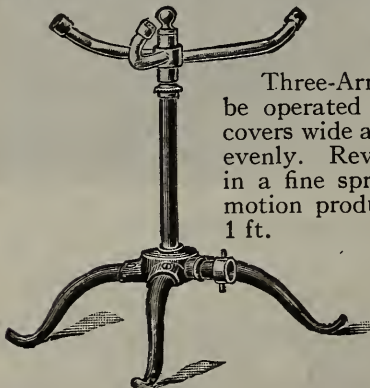
Each 75 cts. and 85 cts. Parcel Post add 5 cts.



Preston Sprinkler

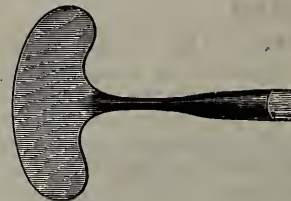
Three-Arm Lawn Sprinkler, can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air, and the motion produces a fine mist. Height 1 ft.

Each \$1.75
Parcel Post add 10 cts.



Hedge Shears

No. 107 5 1/2 inch (Ladies).....	\$1.25
No. 101 8 inch.....	1.85
No. 101 10 inch.....	2.00



Edging Knives

With 4 ft. Handle

For trimming edges of paths.
American, No. 40.....\$1.50
English Pattern..... 1.00

"Jimmy" Weeder

25 cts.



Rubber Plant Sprinklers

Either Straight or Crook Neck

10 oz. capacity.....	\$1.25
8 oz. capacity.....	1.00
6 oz. capacity.....	.75
Parcel Post add.....	.05



Sickle

All kinds and sizes.
Village Blacksmith.....\$0.75
Clearcut..... .75
Little Giant... .75



Grass Shears

All kinds and sizes.
75 cts. to \$1.50



Due to present conditions all prices subject to change. We carry everything for the Lawn and Garden



"Holco" Steel Trowels

These are somewhat long in blade and handle, making a very practical tool. Will last a lifetime.
Each 85 cts. Other styles and sizes 25 cts., 35 cts., 50 cts.



Cleves' Angle Trowel

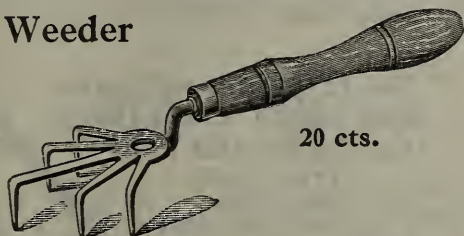
For getting dandelion, plantain and other weeds out of the lawn and transplanting. 6-inch 25 cts., 7-inch 35 cts.



Excelsior Weeder

Hazeltine's Weeder 40 cts.

Will work close to delicate plants.



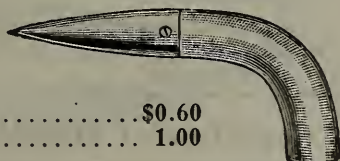
Magic Weeder
35 cts.



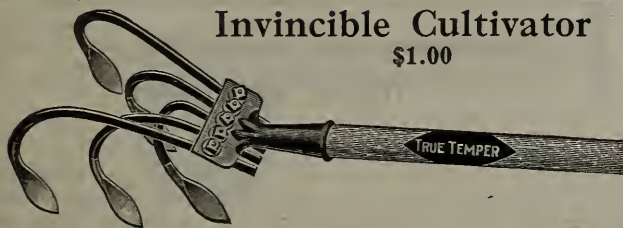
Eureka Weeding Fork
40 cts.

Dibble

Iron Point.....\$0.60
Brass Point.....1.00



Invincible Cultivator
\$1.00



"Holco" Mole Traps

Each \$1.00

How to Catch Moles

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening as moles usually stir about very early in the morning.

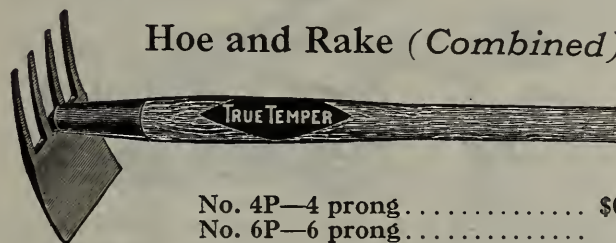


All Prices subject to Market changes without notice



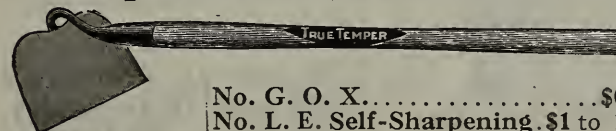
Steel Garden Rakes

Temper Straight.....\$0.75
No. S. B. 14 Straight......85
No. B 13 Bow.....1.00
No. 14 Straight "Heavy".....1.35
Wire Lawn Rake—24 teeth... .75
Wire Lawn Rake—36 teeth... 1.25



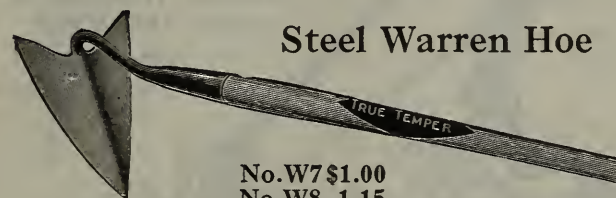
Hoe and Rake (Combined)

No. 4P—4 prong.....\$0.80
No. 6P—6 prong......90



Square Hoes (Solid Shank)

No. G. O. X.....\$0.85
No. L. E. Self-Sharpening.\$1 to 1.25
No. 2P—Two Prong Onion Hoe .75



Steel Warren Hoe

No. W7 \$1.00
No. W8 1.15



Steel Spading Forks

No. OLDX. 4 tine, \$1.50; 4 tine English.....\$2.50



Potato Hook

For potatoes, manure, etc. Flat tines.
No. 4 B. H. D. 4 tine.....\$1.25



Steel Spades

Myers.....\$1.75
Steel Shovels, round points (long handle).....1.75

+++++
+ We carry in stock many new styles of Garden Tools. +
+ Owing to lack of space, we had to omit many. +
+++++



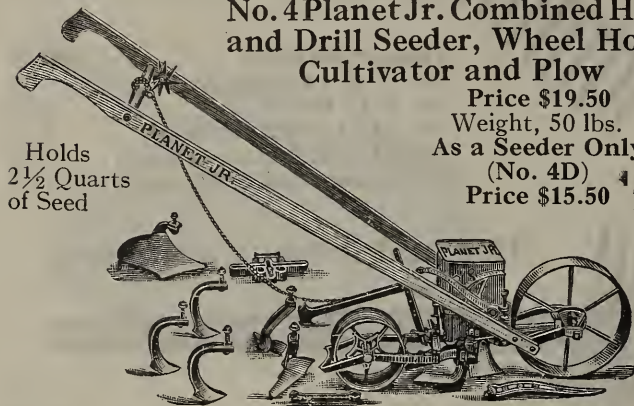
Planet Jr. Garden Tools



Space will not permit showing and describing here all of the Planet Jr. Tools, but we will send a beautifully illustrated Catalog free to any who may desire it. Planet Jr. goods are different from all others—the best on the market.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price \$19.50
Weight, 50 lbs.
As a Seeder Only (No. 4D)
Price \$15.50

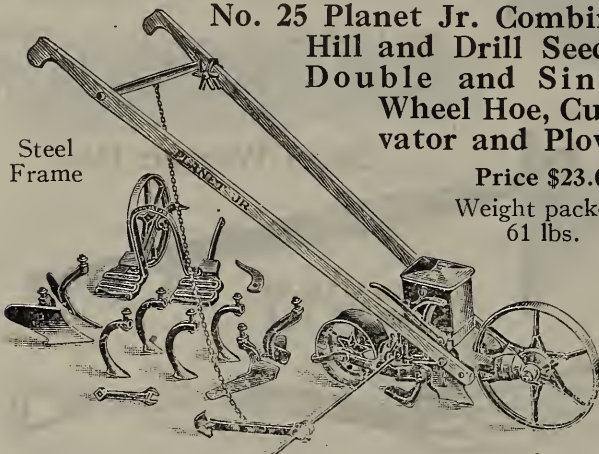


Holds
2½ Quarts
of Seed

Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys. Pays for itself in a season and will last for years. Thousands have been sold in this and in many foreign countries.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow

Price \$23.00
Weight packed,
61 lbs.



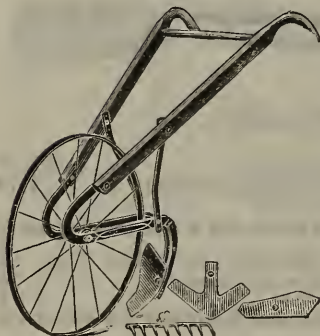
Steel
Frame

With this tool, two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. Holds 2½ Quarts of Seed.

Scott Kelley, Stark Co., O.—“Received the ‘Holco’ Cultivator. Am well pleased with it, as it does as good as a horse cultivator.”

“Climax” Cultivator

No. 1 Price \$3.85



Handles are adjustable in height to suit operator. Open shovel shank permits any style shovel being used and any pitch desired. Wheels 24-inch. Packed in one bundle with three shovels, rake and wrench. Weight 21 lbs.

No. 17 Planet Jr. Single Wheel Hoe

Weight, 24 lbs.
Price \$8.75

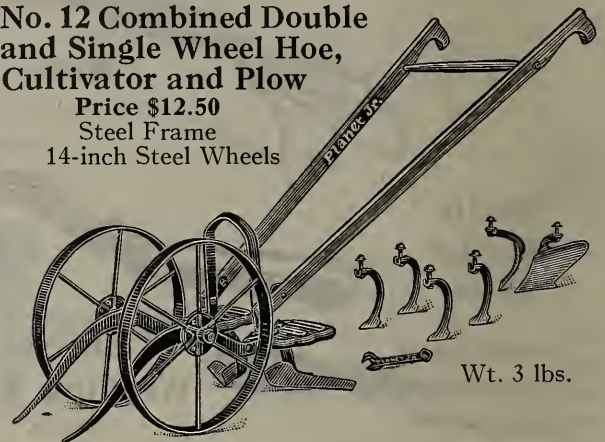


Steel Frame
and Wheel

The pair of 6-inch hoes, three cultivator teeth and plow which go with it, are all the finest of their kind. Other attachments can be added as needed.

No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow

Price \$12.50
Steel Frame
14-inch Steel Wheels



Wt. 3 lbs.

The attachments sold with No. 12 are what gardeners use most, and the others can be added as wanted.

Good Little Cultivators To Push Along

“Holco” Cultivator

Price \$4.90



A complete 5 shovel cultivator with detachable double point reversible shovels. Adjustable from 10 to 14 inches in cutting width. A garden tool that will please the most exacting.

Completely
bundled.
Weight 21 lbs.

1920 as a Garden Year Will Be Just What You Make it

"Holco" Pruning Shears

Our Pruning Shears are procured from the most reliable makers in America and all are fully guaranteed



No.	Wiss Pruning Shears	Each
109	Wiss, 8 in.	\$3.25
50	Pexto American, 9 in.	1.20
65	Pexto American, 9 in.	1.80
70	Pexto American, 9 in.	1.85
R65	Pexto American, 9 in.	2.00
R70	Pexto American, 9 in.	2.25
14	in Ladies, 6 in.	1.50

Grafting Wax

The best grade on the market. $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., 1 lb. 40 cts., 5 lbs. \$1.65. Postage extra.

"Holco" Dust Gun

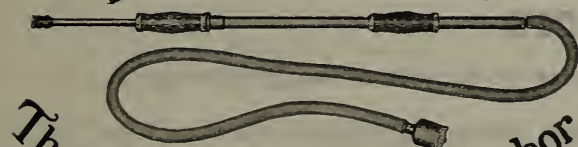
Price \$2.25



The Dust Gun is light and simple to operate; a child can use it effectively. All that is necessary is to place the dusting material in the gun and blow a cloud of dust over the plants or trees.

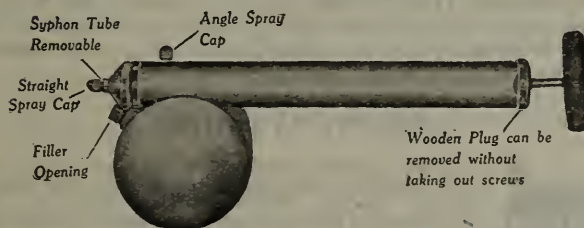
"Holco" Continuous Sprayer

It's Double Acting



The Same Spray With Half The Labor

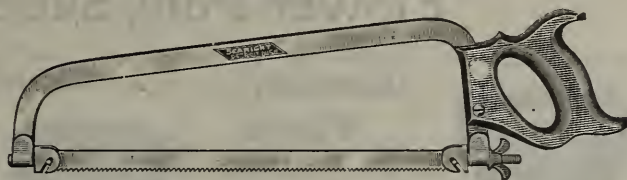
\$4.75



New combination Automizer and Compressed Air Sprayer that sprays continuously and in any direction. Ball valves. 5 lbs. Galvanized \$1.25; Brass, \$2.00; Tin continuous, \$1.00; Tin 50 cts., 75 cts., \$1.25.



"Holco" Pruning Swivel Saw

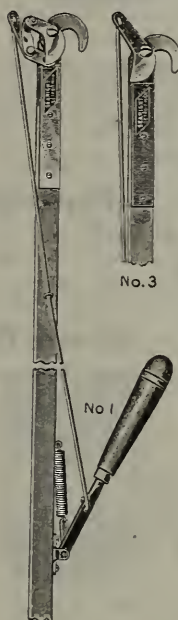


Very handy to use where the limbs are close together. The blade is adjustable to cut from any angle; it saves the trouble so often found when using ordinary Saws. \$1.75 ea. Extra blades 85 cts. ea.

Compound Lever Pruner

The cutting head is made truss-shape, from strong high grade steel, the operating compound levers working between the two side plates. It is light in weight, compact in size, and unusually effective as to cutting qualities. Price, 10 foot pole, \$2.75.

Clyde. \$1.60
Dexter. 4.50



"Holco" Fruit-Picker



Price 60 cts. Postpaid.

Compressed Air Sprayers

These Sprayers will spray potatoes, shrubbery, trees, etc., perfectly, and are tested with 50 lbs. pressure before leaving factory. All sprayers guaranteed.

Galvanized, complete with hose and nozzle.

Perfection.	\$6.00
Universal.	7.00
Auto Spray.	7.00
Brass, complete.	
Perfection.	9.00
Auto Spray.	10.00

"Holco" Bucket Spray Pump \$5.75

Jumbo

Insect Powder Gun. Handy for dusting dry insect powders. Price 45 cts. postpaid.



Rhodes' Double Cut Pruner

The most powerful Pruner made. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 30-inch, \$3.50.

PRICES SUBJECT TO CHANGE

Flower Pots, Saucers, Plant Tubs, Etc.



Earthen Flower Pots

These cannot be sent by Parcel Post.

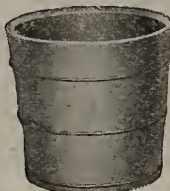
Height and Width Inside	Each	Doz.	100	1000
2 inch.....	\$.02	\$.12	\$.90	\$ 8.25
3 inch.....	.02	.21	1.56	14.30
3½ inch.....	.03	.25	1.92	17.60
4 inch.....	.05	.31	2.40	22.00
4½ inch.....	.05	.42	3.24	29.70
5 inch.....	.06	.56	4.32	39.60
6 inch.....	.09	.84	6.48	59.40
7 inch.....	.14	1.40	10.80	.....
8 inch.....	.20	2.02	15.60	.....
9 inch.....	.30	3.12	24.00	.....
10 inch.....	.42	4.21	32.40	.....
11 inch.....	.60	6.25	48.00	.....
12 inch.....	.83	8.58	66.00	.....
14 inch.....	1.35	14.04	108.00	.....

Earthenware Saucers

These cannot be sent by Parcel Post

	Each	Doz.	100
4 inch.....	\$0.02	\$.23	\$ 1.80
5 inch.....	.03	.31	2.40
6 inch.....	.05	.47	3.60
7 inch.....	.06	.62	4.80
8 inch.....	.08	.86	6.60
9 inch.....	.11	1.17	9.90
10 inch.....	.14	1.40	10.80
11 inch.....	.17	1.72	13.20
12 inch.....	.20	2.11	16.20
14 inch.....	.34	3.51	27.00

["Holco" Plant Tubs]



Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust.

No.	Inside Diam. Inches	Each
No. 6.....	11	\$1.80
No. 7.....	12	2.20
No. 8.....	13	2.50
No. 9.....	14	3.00
No. 10.....	15	3.50
No. 11.....	16	4.00

Paper Flower Pots

Ins. Diam.	Doz.	100	1000
2½.....	\$0.15	\$.70	\$ 4.75
3.....	.18	.85	7.00
4.....	.25	1.30	10.50

Square Plant Stakes

These are painted green and nicely tapered and finished.

	Each	Doz.	100
1½ ft.....	\$0.03	\$.25	\$ 1.75
2 ft.....	.04	.35	2.50
2½ ft.....	.05	.50	3.75
3 ft.....	.07	.75	5.50
3½ ft.....	.08	.85	6.50
4 ft.....	.10	1.00	8.00
5 ft.....	.12	1.35	11.00
6 ft.....	.15	1.60	12.50

Cedar Plant Tubs



Equipped with Strong Iron Hoops

These are made by hand of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.

No.	Outside Diam. Inches	Each
No. 0.....	27	\$11.50
No. 1.....	25	10.25
No. 2.....	23	9.25
No. 3.....	21	8.00
No. 4.....	18½	6.25
No. 5.....	18	5.50
No. 6.....	16½	5.00
No. 7.....	15	4.25
No. 8.....	12	3.50

Painted Pot Labels

	100	500	1000
4 inch.....	\$.18	\$.70	\$ 1.25
4½ inch.....	.20	.80	1.50
5 inch.....	.25	.90	1.65
6 inch.....	.30	1.00	1.90
8 inch.....	.75	2.90	5.50
10 inch.....	1.00	3.75	7.00
12 inch.....	1.10	4.50	8.25
18 inch, for field use..	4.00	19.50	36.00

3½-inch Notched, copper wired tree label, 30 cts. per 100, \$1.90 per 1,000.

Fertilizers

Write for prices on larger quantities. All prices are subject to market changes

ACID PHOSPHATE 16%. The standard fertilizer for soils requiring Phosphoric Acid. For gardens it is very effective. 5 lbs. 25 cts., 10 lbs. 40 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.00.

BONE AND PHOSPHATE. An ideal fertilizer for farm, lawn or garden crop. Apply at the rate of 400 to 600 lbs. per acre. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.50.

BONE MEAL. (Fine ground.) Apply 25 lbs. per 1000 sq. ft. Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high class fertilizer counts. 3 lbs. 25 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$2.50, 125-lb. bag \$4.25.

COW OR CATTLE MANURE. (Shredded.) A fine top dressing for lawns, gardens or in greenhouses. 100 lbs. \$3.25.

NITRATE OF SODA. Nitrate of Soda is not a substitute for other Manures. Use as a top dressing at the rate of 100 lbs. per acre on vegetables, when plants are well established. For home garden apply as a solution 1 oz. to two gallons of water. Price, 1 lb. 15 cts., 5 lbs. 65 cts., 10 lbs. \$1.10. Write for price on larger quantities.

MURIATE OF POTASH. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Must be used with great care, is very powerful. Excellent for potatoes, corn, grains, etc. Analysis equal to 50 per cent actual potash. Lb. 20 cts.

SULPHATE OF AMMONIA. Most concentrated source of Nitrogen, better than Nitrate of Soda. Entirely soluble and quickly available. Apply dry at rate of 1 lb. per sq. rod of ground or dissolve 2 tablespoonfuls in one gal. water and sprinkle on rows. Price, 1 lb. 15 cts., 5 lbs. 65 cts., 10 lbs. \$1.15.

Write for prices on larger quantities and literature.

BON ARBOR, HOUSE PLANT AND FERN FOOD. A complete fertilizer for house plants, flower and vegetable gardens. Highly concentrated. Directions for use on container. 8 oz. can 35 cts., 1 lb. 65 cts. By Parcel Post 5 cts. extra.

EXCELSIOR PLANT FOOD. Use in re-potting plants and as a concentrated food for all house plants. ½ teaspoonful sprinkled over surface of six-inch pot makes healthy growth and profuse blooming. 12 oz. 50 cts., 5 lbs. \$1.75. Postage extra if by mail.

Sheep Manure



Give the soil what it needs to make things grow. This is probably the most extensively used of animal manures by the market or home gardener. The analysis shows it to be a perfectly balanced plant food.

Pulverized sheep manure acts quickly and is invaluable for vegetables, flowers, lawns, shrubs and fruit and field crops. It can be used without fear of weeds. Apply 100 pounds per thousand square feet or 1000 lbs. per acre.

5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.25. Write for prices on larger quantities.

Lawnlime

The Grass and Garden Tonic

Lawnlime will renovate old lawns and gardens, cure the acidity of the soil. Promotes growth, gives grass a rich green color. For renewing old gardens and lawns it is unequaled. Guaranteed not to burn the sod. Has a tendency to prevent the growth of weeds. Apply at rate of 25 lbs. per 100 sq. feet or ½ ton per acre on lawns. 50 lb. sack 50 cts., 3 sacks \$1.20. Write for prices on larger quantities.

Insecticides and Fungicides

Marked * can be sent by Parcel Post at Purchaser's expense. Consult your local Postoffice for rates from Canton, Ohio. Directions for using any of these Insecticides or Fungicides will be found on each package.

*ANT EXTERMINATOR. Powder used for distributing around buildings, greenhouse benches, lawns, gardens, any other places infested by ants. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 35 cts., 1 lb. 60 cts.

APHINE. For destroying aphids, green fly, thrip, red spider, other greenhouse and outdoor insects. $\frac{1}{4}$ pt. 35 cts., $\frac{1}{2}$ pt. 45 cts., pt. 70 cts., qt. \$1.10, gal. \$2.75.

ARSENATE OF LEAD. (Powdered.) Extensively used. Is instantly soluble in water, a pound goes almost twice as far as two pounds of paste arsenate. Further, you do not have to pay transportation charges on water, which acts as a preservative in paste arsenate. 1 lb. to 2 lbs. dilutes 50 gals. of water. Lb. 60 cts., 5 lbs. \$2.75, 10 lbs. \$5.25, 25 lbs. \$12.50. Write for prices on larger quantities.

BORDEAUX MIXTURE. (Powdered.) Used principally for mildew, blight, fungus diseases that affect potatoes, fruit trees. 1 lb. 40 cts., 5 lb. pkg. (makes 30 gals.) \$1.75, 10 lb. pkg. (makes 50 gals.) \$2.75.

BORDEAUX-ARSENATE. (See Insecto and Pyrox.)

"Black Leaf 40"

This is the insecticide that destroys Aphis (plant lice) as found on Rose Bushes. Leaf Hoppers as found on Potatoes. And all soft-bodied sucking insects. Does not injure foliage. Directions for use on each can. But we recommend using about $\frac{1}{4}$ stronger for most effective results.

1 oz.....	\$0.25	Makes 5 gals. spray
$\frac{1}{2}$ lb.....	1.00	Makes 40 to 120 gals.
2 lb.....	3.25	Makes 150 to 400 gals.
10 lb.....	13.75	Makes 800 to 2500 gals.

BOROWAX. A complete protection against tree borers. Use half to one pint to a tree according to size. Qt. 40 cts., $\frac{1}{2}$ gal. 75 cts., gal. can (boxed) \$1.25.

*BUG DEATH. Largely used instead of Paris Green. Claimed to have same effect. Acts as a fertilizer as well as an insecticide; comes in powder form, is applied pure. Not poisonous to persons. Lb. 20 cts., 3 lbs. 50 cts., 5 lbs. 75 cts., 12 $\frac{1}{2}$ lbs. \$1.50.

CARBOLA. A disinfecting white wash paint. Kills lice, mites and prevents spread of contagious diseases. It dries a clean snow white and is used wherever whitewash can be used. Just the thing for Poultry Houses, Barns, Hog Pens. 1 lb. makes 1 gal. paint. 10 lbs. \$1.00, 20 lbs. \$2.00, 50 lbs. \$4.00.

CARCO—For Roots, Maggots, Cut-worms, Grubs and other worms which infest the roots of Cabbage, Cauliflower, Radishes, Onions and Turnips. Use 1 part Carco to 75 parts water and spray ground where vegetables are planted. The most reliable remedy for these troublesome pests. 1 pt. 25 cts., 1 qt. 45 cts.

COPPER SOLUTION. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Qt. \$1.25, gal. \$3.00.

*DUSTING SULPHUR. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Lb. 15 cts., 5 lbs. 50 cts.

*CUT WORM DESTROYER. For killing cut worms, grubs and maggots that work in the soil. 1 lb. 50 cts., 5 lbs. \$1.25.

FORMALDEHYDE. A preventive of fungoid diseases as potato scab, smuts on oats, wheat, musty corn, damping off of seedlings, club root, etc. The dilution is 1 lb. (1 pint) to 30 gallons of water and 1 to 2 gallons of this dilution is required for the treatment of a bushel of seed. (40 volume %), 1 lb. bottle 50 cts., 2 lbs. 90 cts., 5 lb. bottle \$2.25.

FUNGINE. Excellent remedy for fungous diseases of all kinds. $\frac{1}{4}$ pt. 25 cts., qt. \$1.00, gal. \$3.50.

*HELLEBORE. Ideal material for destroying rose bugs, currant worms, other soft-shelled insects that infest the garden. Can be applied dry or in liquid form. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 40 cts., 1 lb. 65 cts.

NICO-FUME. Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphids, white fly, and red spider, etc. Per $\frac{1}{4}$ lb. (about $\frac{1}{4}$ pt.) 65 cts., 1 lb. (about 1 pt.) \$2.00, 4 lbs. (about $\frac{1}{2}$ gal.) \$7.50, 8 lbs. \$14.50.

Spray with Insecto

Kills Leaf Eating Insects and Prevents Blight

Insecto is a combination spray of Arsenate of Lead and Bordeaux Mixture which is applied at one spraying. It sticks to the leaves and is not readily washed off by rains. Use on Cabbage, Currents, Potatoes or any plant where worms are eating the leaves. One pound makes 5 to 7 gal. of spray. Insecto is a dry powder which only needs to be mixed with water as needed.

EASY TO USE—EFFECTIVE—ECONOMICAL.

1 lb. 40 cts., 5 lbs. \$1.65, 10 lbs. \$2.85, 25 lbs. \$6.25.

KEROSENE EMULSION. Diluted in water this makes an excellent spray for all mild forms of scale, soft lice of any kind, such as infest rose and fruit bushes, vegetables and trees. Liquid dilutes 1 part to 20 parts of water. Liquid: qt. 60 cts., gal. \$1.25.

LIME SULPHUR. (Dry powder form.) Powdered Lime. Sulphur is becoming very popular on account of the small expense for shipping. Is instantly soluble in either cold or hot water, dilute 1 lb. to 6 gals. of water; does not separate, keeps indefinitely. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.00, 25 lbs. \$4.50. Write for prices on larger quantities.

PARIS GREEN. The chief merit of this article is the destruction of the potato bug. May be used in liquid form, 1 lb. in 50 gals. of water, or with Land Plaster at the rate of 1 lb. Paris Green to 100 lbs. Land Plaster. $\frac{1}{4}$ lb. 25 cts., $\frac{1}{2}$ lb. 40 cts., 1 lb. 65 cts.



Pyrox

Kills Bugs, Prevents Blight

A pasty substance used for all leaf-eating insects. Very effective for fungus diseases. One pound makes 5 gals. spray. Lb. 45 cts., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$6.25, 50 lbs. \$11.00, 100 lbs. \$20.00.

*RAT CORN. Sure death to rats and mice; not poisonous to other animals. 25 cts. and 50 cts. size cans.

SCALECIDE. The best spray for San Jose Scale, maple scale. It is not poisonous, mixes with cold water, and is ready to apply. 1 gallon to 20 gallons of water sprayed on trees and bushes will kill every scale that it reaches without injury to tree or fruit if applied in late fall or early spring while the foliage is off. 1 qt. 65 cts., 1 gal. can \$1.60, 5 gal. can \$6.80, 10 gals. \$11.70.

*SLUG SHOT. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 1 lb. 20 cts., 5 lbs. 60 cts.

*SULPHO TOBACCO SOAP. For plants, trees, etc. 3 oz. pkg. 10 cts., 8 oz. pkg. 20 cts.

*TOBACCO DUST. The best of the Tobacco Dusts for dusting or fumigating. Lb. 15 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.35, 100 lbs. \$4.00.

TOBACCO STEMS. Used for fumigating and under benches in greenhouses. Bale of 100 lbs. \$2.50. Write for prices on larger lots.

*TREE TANGLEFOOT. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Lb. 50 cts., 3-lb. can \$1.45, 10-lb. can \$4.50.

*WHALE OR FISH-OIL SOAP. For mild forms of scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. Good for washing off ferns, plants, lemon trees, oleanders and almost anything that would be infested with a soft-shelled or in fact almost any kind of insect. Dissolve in water according to directions. $\frac{1}{2}$ lb. 20 cts., 1 lb. 35 cts., 5 lbs. \$1.50.

*WORM ERADICATOR. When applied, the worms will immediately rise to the surface of the ground of flower bed, or will fall off the trees, fruits or flowers, and in a few minutes will die. 35-cent bottle makes 5 gals., 60-cent bottle makes 10 gals.

WEED KILLER. The dilution is 1 to 50 parts of water, made so easily that a boy or child can attend to it. A gal. diluted, is sufficient to cover a space 100 to 150 sq. yds. Application is best made with a watering can to insure uniform distribution. The most advisable time being after a rain, which is when weeds start to sprout and grow. Single applications last almost an entire season. Full directions as regards quantities needed, are printed on each container. 1 gal. (makes 50 gals.) \$1.75.

Prices on Insecticides and Fungicides subject to change without notice.

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Eight Packets of Beautiful Flowers for 25 cts.

For 25 cts. we will mail one regular packet each of the following eight elegant Annuals. This assortment can be ordered as "Holco Flower Seed Collection" for 25 cts. or five collections for \$1.00, postpaid.

Phlox	Drummondii Mixed	Petunia	Giant Mixed
Aster	Mixed	Sweet Peas	Spencer Mixed
Gaillardia	Mixed	Cosmos	Mixed
Nasturtium	Mixed	Pansy	Giant Mixed

"Every Home It's Flower Garden"



In the grove of the H. H. Timken estate. The Lawn was sown with "Holco Velvet Green" Lawn Seed and shows the remarkable turf which the seed has produced.

Holco "Velvet Green" Lawn Grass Seed

Holco "Velvet Green" Lawn Grass Seed is an intelligently arranged combination of fine-leaved, dwarf grasses, which will stand wear and tear, outlive the winter, retaining at all times, its lustrous green color. It is not possible to make an enduring lawn by sowing seeds of a single variety, which will only grow for a portion of the year. Kentucky Blue Grass, for instance, which is sometimes recommended for lawns, grows but sparsely the first year, and loses color in hot weather.

The question of good lawns is not only the question of sowing the very best grass seed, but you must have the correct grasses assembled to produce a good permanent and fine texture lawn.

It pays to make your soil suitable for the grasses you want to develop. They must have a fine texture and granular soil. Pulverized sheep manure or rotten manure worked into a clay soil, will take care of them, then roll with care. On a sand or sandy loam, lime and plenty of sheep manure to build a body in the soil will be all that is required.

"Holco" Velvet Green Lawn Grass Seed

is composed of the best re-cleaned seeds; weighs 22 pounds per measure bushel; will produce a perfect turf of deep green sward in from 4 to 6 weeks time.

PRICE—lb. 40 cts.; 5 lbs. \$1.85; 10 lbs. \$3.50; 100 lbs. \$32.00; (25 lbs. or more, supplied at 100 lb. price.)

Quantity of Seed to use for new lawn is 5 bushels per acre. For a lot 15 by 20, or 300 square feet, use one pound.

For renovating old lawns, use one-half of the above quantities.

"Holco" Terrace Lawn Seed

This is a special blend of grasses. Especially suited for sowing on terraces, embankments and hillsides. Grasses that produce long, strong, fine-leaved, deep rooting, spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure and at the same time produce a green, velvety turf throughout the season. **Price**, lb. 40 cts.; 5 lbs. \$1.85; 10 lbs. \$3.50; 100 lbs. \$32.00; (25 lbs. or more supplied at 100 lb. price.)

Charles Chader, Mgr. H. H. Timken Farms.—

"It gives me great pleasure to inform you of the good results I have had with your Lawn Grass Seed. I used it extensively this past spring at places where there was difficulty in getting good lawns, and where the successful results from your seeds have best evidence of the high quality, purity and permanence of your Lawn Grasses. Your mixtures, I consider especially valuable."

"Holco" Shaded Lawn Seed

Shaded locations, produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions, have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this, apply lawn lime at the rate of 50 lbs. to 200 square ft. lawn. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. **Price**, lb. 40 cts.; 5 lbs. \$1.85; 10 lbs. \$3.50; 100 lbs. \$32.00; (25 lbs. or more supplied at 100 lb. price.)

Kentucky Blue Grass

Is used in lawn mixture. Especially suited to meadows and rich lands. It is the grass of the famous and fertile limestone soils of Kentucky, and is no less a favorite all through the northern states. **Lb. 40 cts.; 5 lbs. \$1.85, Postpaid; 10 lbs. \$3.50.**

White Clover

The best variety for lawns, as it forms a close herbage and remains green throughout the season. It is also valuable when mixed with grass seed for pasture. **½ lb. 40 cts.; lb. 75 cts. Postpaid.**

Culture Leaflet — "How to make a Lawn" — Free with Order.

Holco

QUALITY

GRIMM'S
ALFALFA

THE
HOLMES-LEATHERMAN
SEED COMPANY

CANTON,
OHIO



SOY BEAN PLANT
WITH NODULES ON
ROOTS



FIELD OF
SOY BEANS



GOLDEN GLOW



"HOLCO"
BLUE RIDGE
ENSILAGE CORN